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AIR QUALITY DATA

from the National Air Sampling Networks
and
Contributing State and Local Networks
1966 Edition

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service

167

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National Air Surveillance Networks
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Air Quality and Emission Data Program

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Durham, N.C.
1968

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Summaries and analyses in addition to basic data tabulations are presented. National summaries of pollutant levels, and figures illustrating variations in the levels of gaseous pollutants are presented. Data are given on the following topics: suspended particulates; organic particulates; radioactivity; nonmetallic inorganic particulates; metals; soiling index; gaseous pollutants; and measurements from the Colorado State network.

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Bismuth
Cadmium
Chromium
Cobalt
Copper
Iron
Lead
Mangarese
Magnesium
Molybdenum
Nickel
Tin
Titanium
Vanadium
Zinc
Nitrogen inorganic compounds
Carbon monoxide
Nitrogen oxide (NO)
Sulfur dioxide
Sulfation
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Concentration (composition)
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PREFACE

The Air Quality and Emission Data Program of the National Air Pollution Control Administration, with the assistance and cooperation of state and local agencies, carries on a variety of air sampling activities to obtain information about air quality in the United States. This report summarizes data on particulate and gaseous pollutants gathered during 1966 at the cooperating stations of the various National Air Surveillance Networks and similar data from independent state and local sampling networks that have contributed their results to the central air quality data bank operated by the Air Quality and Emission Data Program. The data on chemical components of the particulate matter in the air are generally for 1965, because of the necessary time lag in laboratory analysis, or for earlier years in cases in which previously gathered samples held in reserve have been retrospectively analyzed.

This publication is one of a series of annual reports designed to make air quality data available widely as soon as practicable. For this reason, thorough analysis and interpretation of the data are not attempted in these reports, but will be published periodically in separate reports.

ACKNOWLEDGMENTS

The data reported in this publication could not have been gathered without the generous cooperation of the many state and local air pollution control agencies in the operation of the NASN sampling stations. The National Air Pollution Control Administration offers sincere thanks to these organizations and to their employees.

Gratitude is also due the agencies that have contributed their own data to the National Center's air quality data bank for use in this and other reports and studies. Their efforts make possible a greatly increased national knowledge of air quality.

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AIR QUALITY DATA, 1966

INTRODUCTION

Today's National Air Surveillance Networks have developed from the Public Health Service's first air pollution sampling effort. In 1953, the Public Health Service's Division of Sanitary Engineering Services in cooperation with various state and local agencies began sampling for suspended particulate matter with high-volume air samplers in 17 cities. By 1956, this sampling program had expanded to encompass 66 communities, and a national need and desire to have a larger, truly national air quality sampling effort had become apparent. As a result, in January, 1957, the National Air Sampling Network was established to routinely monitor suspended particulate levels in urban and nonurban America. The scope of sampling was expanded to some 185 urban and 48 nonurban stations, of which about 100 of the urban and all of the nonurban stations were scheduled to operate each year. Urban stations operating each year have been increased to about 150, and nonurban stations have been reduced to a representative group of 30.

Since 1957, network operations have expanded also in the number and types of pollutants measured. The constituent pollutants measured in high-volume samplers are listed in Tables 1 and 2. Techniques for sampling the respirable dust fraction are being developed. During 1959 and 1960, limited 24-hour bubbler sampling for the gases NO_2 and SO_2 began at a few stations. Operations are being expanded to sample for aldehydes, ammonia, and total oxidant, in addition to the original two gases, and the number of stations has increased to 50. The continuous Air Monitoring Project, begun in 1962, provides detailed information in gaseous pollutants in six cities where continuous instruments record levels of six pollutants (carbon monoxide, hydrocarbons, nitric oxide, nitrogen dioxide, oxidants, and sulfur dioxide) every 5 minutes.

In 1966, a 25-station lead peroxide candle network began routine operation to provide sulfation rate information and to permit comparative studies of this traditional, inexpensive SO_x monitoring method.

With the reorganization of the Public Health Service on January 1, 1967, these network sampling operations collectively were designated the National Air Surveillance Networks and were incorporated in the Air Quality and Emission Data Program of the National Center for Air Pollution Control (NCAPC) in the Bureau of Disease Prevention and Environmental Control of the Public Health Service. In July 1968, the National Center was redesignated the National Air Pollution Control Administration (NAPCA) under the Consumer Protection and Environmental Health Service. Although the Air Quality and Emission Data

Program and other NAPCA programs conduct numerous special studies involving air sampling, the majority of the present DHEW air quality surveillance sampling is conducted by the four National Air Surveillance Networks: the suspended particulate, or "Hi-Vol", network; the gas sampling network; the Continuous Air Monitoring Program; and the lead candle network.

These four networks are operated in cooperation with appropriate state or local agencies. The Air Quality and Emission Data Program generally provides equipment, supplies, and laboratory analytical services, and the cooperating agency provides the sampling site and the manpower. In addition to assisting the DHEW sampling program, many state and local air pollution control agencies operate their own air quality monitoring networks.

SUMMARY OF AIR QUALITY MEASUREMENTS

This report presents summaries and analyses in addition to basic data tabulations. This section includes national summaries of pollutant levels, and figures illustrating variations in the levels of gaseous pollutants.

NATIONAL SUMMARIES

Table 1 summarizes data on suspended particulates and on SO_2 and NO_2, the two gases routinely measured at the 24-hour bubbler stations. Data on ammonia sampling, introduced in 1966, are insufficient to warrant a network average, but ammonia sampling data for individual stations are summarized in Table 83. Table 1 reflects in several ways the recent expansion of analytical resources. The averages for several of the particulate components represent for the first time the analysis of samples from all of the cooperating NASN stations. Expanded laboratory capacity also has permitted for the first time the extensive analysis of nonurban samples and the analysis for benzo(a)pyrene, an organic carcinogen.

As explained later, nonurban samples for metals analysis are extracted differently from urban samples. This results in different sensitivities in the urban and nonurban measurements and makes the usual data summary unsatisfactory

Table 1. SUMMARY OF DATA FROM NASN AND CONTRIBUTING STATE AND LOCAL NETWORKS

($\mu g/m^3$ unless noted)

Pollutant	Urban			Nonurban		
	No. of stations	Arith. average	Max. station average	No. of stations	Arith. average	Max. station average
Suspended particulates (1966)	217	102	254	30	38	79
Fractions:						
Benzene sol. org. (1966)	106	6.9	17.1	31	2.4	5.0
Benzo(a)pyrene (1966)	106	2.79[a]	11.20[a]	31	0.35[a]	1.45[a]
Ammonium (1965)	132	0.6	4.3	29	0.1	0.5
Nitrates (1965)	132	2.9	13.5	29	1.3	2.5
Sulfates (1965)	132	10.7	28.8	29	5.6	12.6
Gross Beta radioactivity	110	0.26 pCi/m^3 (urban and nonurban combined)				
Gases						
Ammonia	(insufficient samples for representative average)					
Nitrogen dioxide[b] (1966)	47	141	333			
Sulfur dioxide[c] (1966)	45	62	346			

[a] Nanograms(10^{-9}) per cubic meter.

[b] To convert nitrogen dioxide concentrations to parts per million, multiply the $\mu g/m^3$ value by 5.31×10^{-4}.

[c] To convert sulfur dioxide concentrations to parts per million, multiply the $\mu g/m^3$ value by 3.84×10^{-4}.

Table 2. DISTRIBUTIONS OF 33 URBAN AND 29 NONURBAN STATIONS BY MAXIMUM QUARTERLY CONCENTRATIONS — ($\mu g/m^3$)

			x 10^{-4}			x 10^{-3}			x 10^{-2}			x 10^{-1}			x 1	
		Below minimum detectable	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5
Antimony	Urban	33									*					
	Nonurban	27						* 2								
Beryllium	Urban	29				* 4										
	Nonurban	29	*													
Bismuth	Urban	31				*	2									
	Nonurban	27		*	1	1										
Cadmium	Urban	20							* 8	3	1	1				
	Nonurban	18					* 1	5	2	2	1					
Chromium	Urban	21						* 5	6	1						
	Nonurban	6					*17	3		3						
Cobalt	Urban	33						*								
	Nonurban	29		*												
Copper	Urban								* 2	6	12	9	2	1	1	
	Nonurban						*	1	10	10	2	2	3	1		
Iron	Urban							*				*		9	13	11
	Nonurban											2	20	7		
Lead	Urban										*	3	7	15	7	1
	Nonurban	7							* 4	6	9	2		1		
Manganese	Urban								*	11	13	6	3			
	Nonurban							* 6	13	5	2					
Molybdenum	Urban	28					*		5							
	Nonurban	8			* 10	7	3	1								
Nickel	Urban	5						* 4	10	12	2					
	Nonurban	3				* 4	14	4	4							
Tin	Urban	22						*	9	2						
	Nonurban	25				* 2	1	1								
Titanium	Urban	3			*		*		6	17	7					
	Nonurban						2	13	8	6						
Vanadium	Urban	12					* 5	7	2	1	2	4				
	Nonurban				* 4	11	3	6	3	2						
Zinc	Urban	20											* 4	7		2
	Nonurban	17									* 4	5	3			

*indicates average lower limit of detectability with present methods (See Table 3).

for contrasting urban and nonurban levels. Metals data in Table 2 are based on the highest quarterly composite concentrations, in 14 concentration ranges, from each station. Table 3 shows the urban and nonurban average thresholds of detectability for each metal. The number of stations with no detectable quarterly composite concentrations is shown in Table 2.

Table 3. MINIMUM METALS CONCENTRATIONS DETECTABLE BY EMISSION SPECTROGRAPH (mg/m^3)

Metal	Urban	Nonurban
Antimony	0.040	0.006
Beryllium	0.0008	0.00016
Bismuth	0.0011	0.0002
Cadmium	0.011	0.004
Chromium	0.0064	0.002
Cobalt	0.0064	0.0002
Copper	0.01	0.0015
Iron	0.084	0.006
Lead	0.04	0.01
Manganese	0.011	0.0060
Molybdenum	0.0028	0.0005
Nickel	0.0064	0.0016
Tin	0.006	0.0018
Titanium	0.0024	0.00048
Vanadium	0.0032	0.00048
Zinc	0.24	0.08

CAMP DATA ON GASEOUS POLLUTANTS

This publication, including much more detailed CAMP data than has been presented previously, reflects a shift away from the extensive separate publication of CAMP data. Tabulations of hourly average CAMP data for 1966 are available separately, and interpretive discussion of the data will be separately published periodically.

Since the six CAMP stations in operation are too few to represent a national average, CAMP data are not included in Table 1. Annual averages for the individual CAMP stations for 1962 through 1966 are summarized in Table 4.

Table 4. SUMMARY OF AVERAGE AND MAXIMUM CONCENTRATIONS AT CAMP STATIONS

	Continuous monitoring stations						
	Arithmetic average, ppm					Range of yearly max. month	Range of yearly max. month
	1962	1963	1964	1965	1966		
Carbon monoxide							
Chicago	[a]	8.2	12.1	17.1	12.5	7.4 - 20.7	17.4 - 32.3
Cincinnati	[a]	7.0	6.1	4.0	4.9	5.3 - 11.0	9.3 - 16.5
Denver				7.2	7.9	10.2 - 11.6	18.4 - 20.3
Philadelphia	[a]	[a]	7.1	8.1	6.8	10.0 - 14.2	20.3 - 25.0
San Francisco	[a]	5.4	5.2			6.4 - 6.7	9.6 - 14.4
St. Louis			6.3	6.5	5.8	7.8 - 9.5	12.4 - 16.7
Washington	5.3	6.7	5.7	3.7	3.3	4.7 - 10.3	9.6 - 22.9
Nitric oxide							
Chicago	0.104	0.097	0.100	0.096	0.100	0.129 - 0.171	0.282 - 0.361
Cincinnati	0.032	0.031	0.038	0.031	0.041	0.056 - 0.098	0.040 - 0.355
Denver				0.033	0.038	0.082 - 0.083	0.155 - 0.245
Philadelphia	0.040	0.046	0.045	0.048	0.057	0.063 - 0.106	0.244 - 0.572
San Francisco	0.055	0.087	0.089			0.112 - 0.127	0.282 - 0.290
St. Louis			0.036	0.025	0.032	0.041 - 0.066	0.109 - 0.250
Washington	0.029	0.038	0.033	0.033	0.036	0.065 - 0.088	0.202 - 0.408
Nitrogen dioxide							
Chicago	0.043	0.041	0.046	0.043	0.056	0.051 - 0.082	0.094 - 0.152
Cincinnati	0.030	0.030	0.032	0.035	0.036	0.038 - 0.048	0.080 - 0.099
Denver				0.036	0.034	0.043 - 0.043	0.076 - 0.093
Philadelphia	0.039	0.038	0.038	0.036	0.039	0.042 - 0.056	0.095 - 0.137
San Francisco	0.033	0.049	0.056			0.059 - 0.075	0.127 - 0.175
St. Louis			0.033	0.026	0.034	0.031 - 0.044	0.053 - 0.115
Washington	0.030	0.035	0.036	0.034	0.035	0.038 - 0.043	0.065 - 0.102
Sulfur dioxide							
Chicago	0.108	0.150	0.175	0.130	0.082	0.242 - 0.349	0.400 - 0.789
Cincinnati	0.035	0.026	0.038	0.030	0.031	0.046 - 0.060	0.110 - 0.175
Denver				0.021	0.011	0.020 - 0.020	0.038 - 0.058
Philadelphia	0.088	0.069	0.082	0.085	0.091	0.124 - 0.153	0.345 - 0.460
San Francisco	[a]	0.009	0.017			0.010 - 0.028	0.046 - 0.077
St. Louis			0.059	0.047	0.043	0.058 - 0.093	0.155 - 0.262
Washington	0.055	0.050	0.048	0.046	0.044	0.081 - 0.106	0.181 - 0.254
Total hydrocarbons							
Chicago	3.3	3.2	3.0	2.7	2.8	3.0 - 4.3	5.0 - 5.9
Cincinnati	3.2	3.3	3.0	2.8	[a]	3.0 - 4.6	4.6 - 10.0
Denver				2.5	2.4	3.2 - 3.2	5.2 - 6.8
Philadelphia	2.7	2.5	2.2	2.2	2.5	2.5 - 3.6	5.0 - 6.5
San Francisco	2.3	2.6	2.8			3.4 - 3.8	6.2 - 8.4
St. Louis			3.1	2.9	3.0	3.6 - 3.9	6.6 - 7.8
Washington	[a]	2.8	3.0	2.1	2.4	2.5 - 3.7	4.2 - 8.0
Total oxidant							
Chicago	Oxidant data for 1962-63 not included because of SO_2 interference.		0.031	0.026	0.021	0.040 - 0.045	0.070 - 0.081
Cincinnati			0.028	0.033	0.022	0.042 - 0.060	0.080 - 0.097
Denver				0.033	0.029	0.044 - 0.050	0.066 - 0.076
Philadelphia			0.025	0.026	0.032	0.040 - 0.042	0.090 - 0.146
San Francisco			0.019			0.027	0.045
St. Louis			0.031	0.031	0.036	0.040 - 0.044	0.070 - 0.088
Washington			0.030	0.028	0.027	0.040 - 0.045	0.070 - 0.099

[a] Average not calculated because of insufficient or poorly distributed data.

Since the formation of photochemical oxidant is so directly dependent on sunlight, averages that include levels during nighttime hours may appear deceptively low. For this reason, Table 5 lists for each city the number of days in which at least one hourly average total oxidant concentration exceeded 0.05, 0.10, and 0.15 ppm. This summary gives some indication of the frequency of photochemical smog. Total oxidant data are not reported for 1962 and 1963 because of a sulfur dioxide interference in the detection system in use during those years. Previously published summaries of 1964 and 1965 oxidant data are slightly different from the summaries in Table 5 because the summaries in this table exclude any maximum hourly concentration not occurring between 11:00 a.m. and 5:00 p.m. and consider instead the highest hourly value occurring between those times. Maxima occurring outside this 6-hour period probably represent not photochemical pollution, but isolated industrial emissions of oxidizing chemicals or the oxidizing potential of nitrogen dioxide.

Table 5. DAYS WITH MAXIMUM HOURLY OXIDANT CONCENTRATIONS EQUAL TO OR GREATER THAN SPECIFIED CONCENTRATIONS

		Days of	0.15 ppm		0.10 ppm		0.05 ppm	
City	Year	valid data	No.	%	No.	%	No.	%
Chicago	64	259	0	0.0	6	2.3	116	45
	65	275	0	0.0	3	1.1	95	35
	66	235	3	1.3	6	2.6	43	18
Cincinnati	64	304	3	1.0	30	9.9	112	37
	65	311	4	1.3	14	4.5	152	49
	66	208	0	0.0	0	0.0	50	24
Denver	65	283	6	2.1	22	7.8	193	68
	66	298	4	1.3	23	7.7	174	58
Philadelphia	64	293	6	2.0	30	10.2	103	35
	65	261	3	1.1	16	6.1	66	25
	66	315	6	1.9	35	11.1	115	37
St. Louis	64	254	0	0.0	16	6.3	121	48
	65	328	4	1.2	16	4.9	147	45
	66	292	2	0.7	25	8.6	151	52
Washington	64	292	2	0.7	23	7.9	123	42
	65	281	2	0.7	22	7.8	112	40
	66	325	0	0.0	23	7.1	112	34

Figures 1 through 6 present diurnal variation patterns by season for each of the six CAMP stations. Figures 7 through 12 present annual frequency distributions of the 5-minute CAMP data.

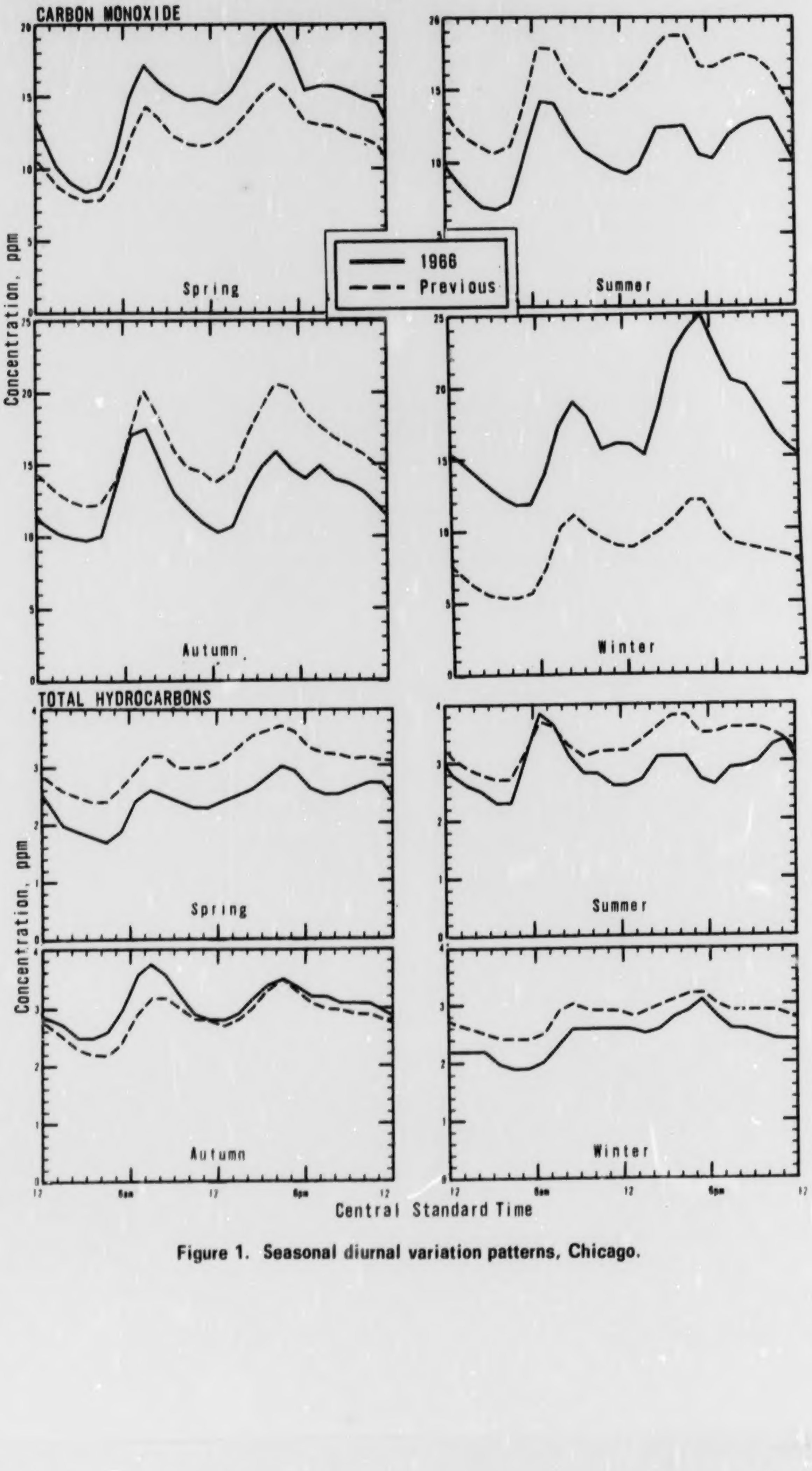


Figure 1. Seasonal diurnal variation patterns, Chicago.

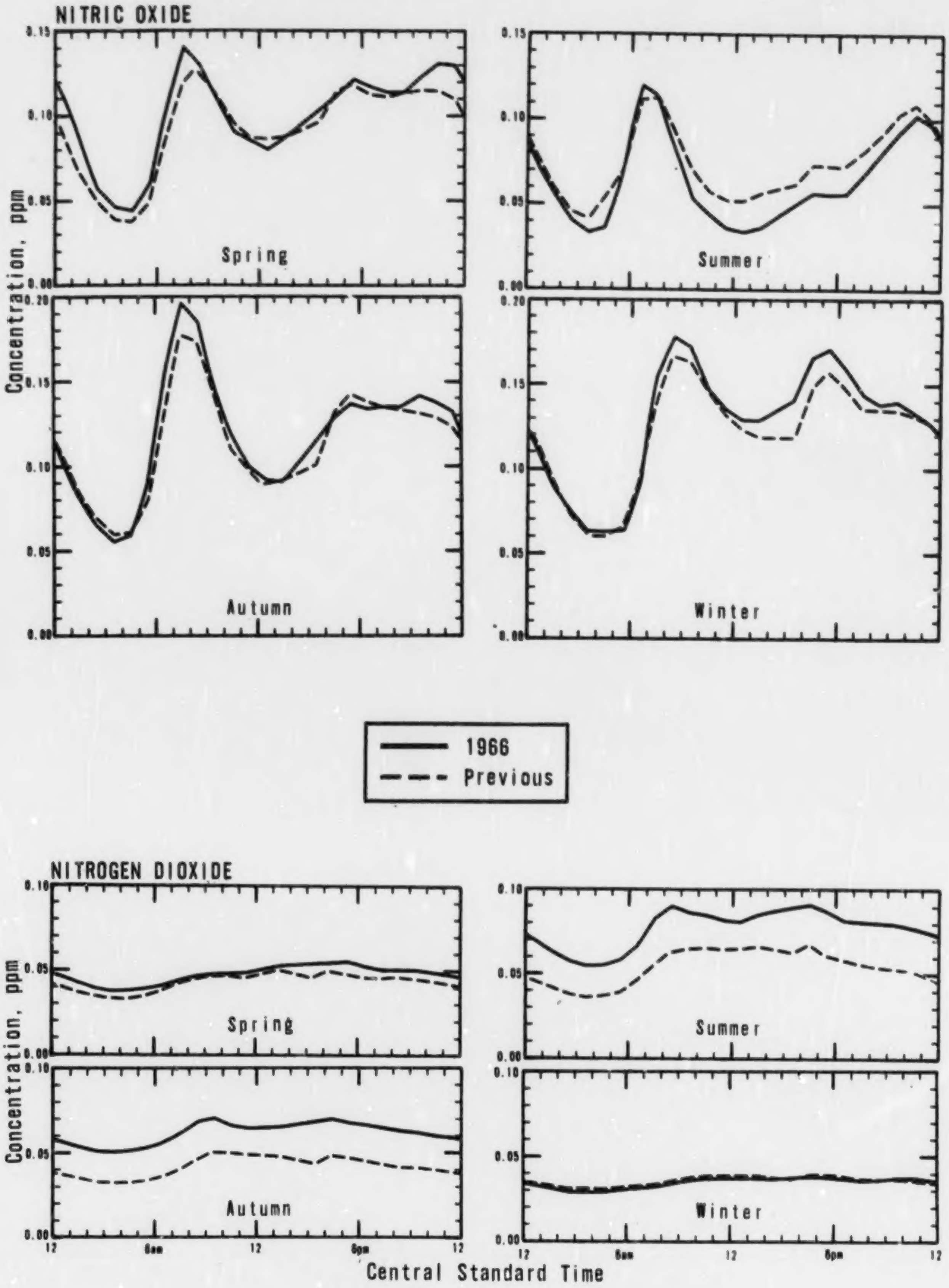


Figure 1 (continued). Seasonal diurnal variation patterns, Chicago.

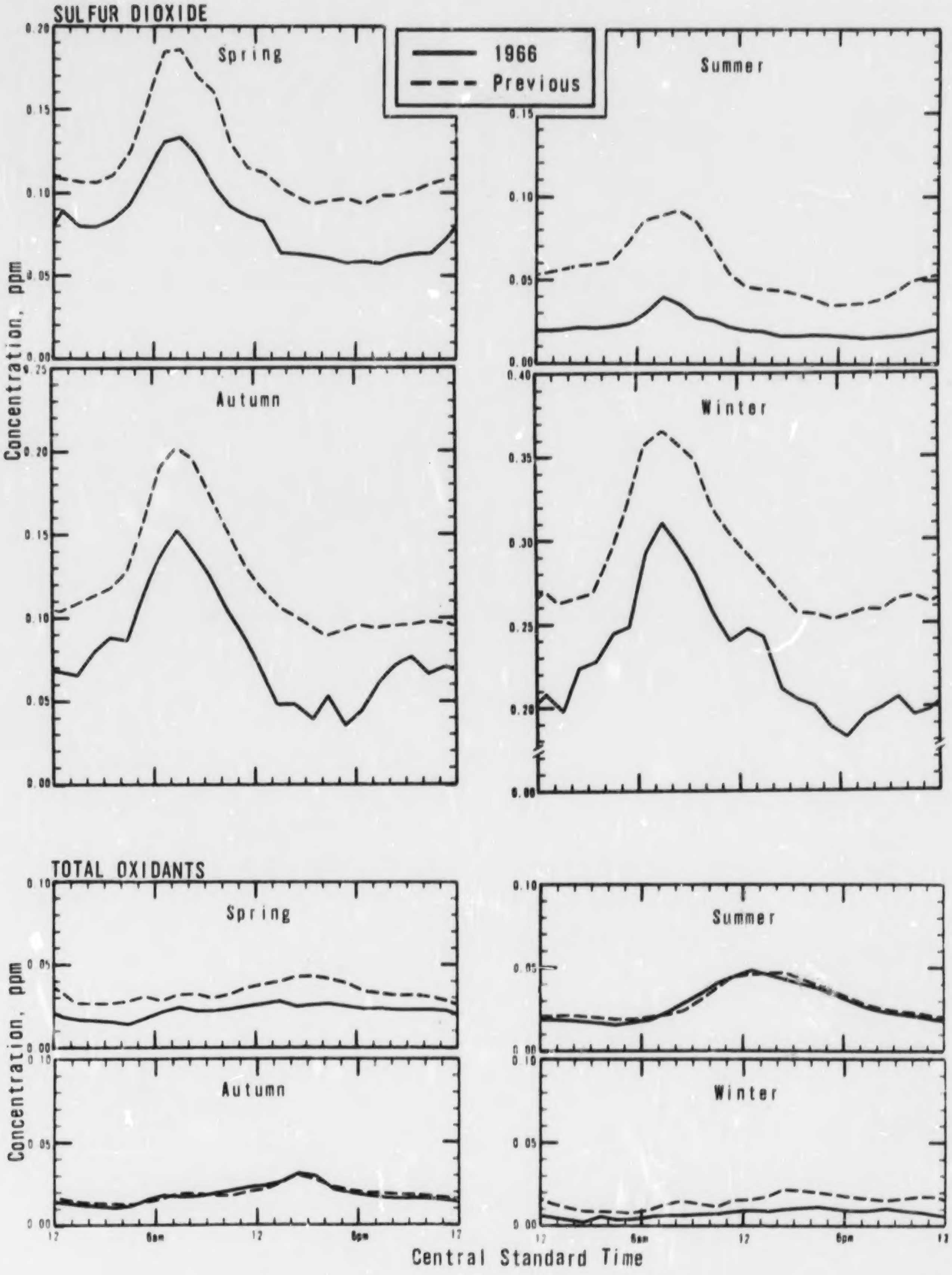


Figure 1 (continued). Seasonal diurnal variation patterns, Chicago.

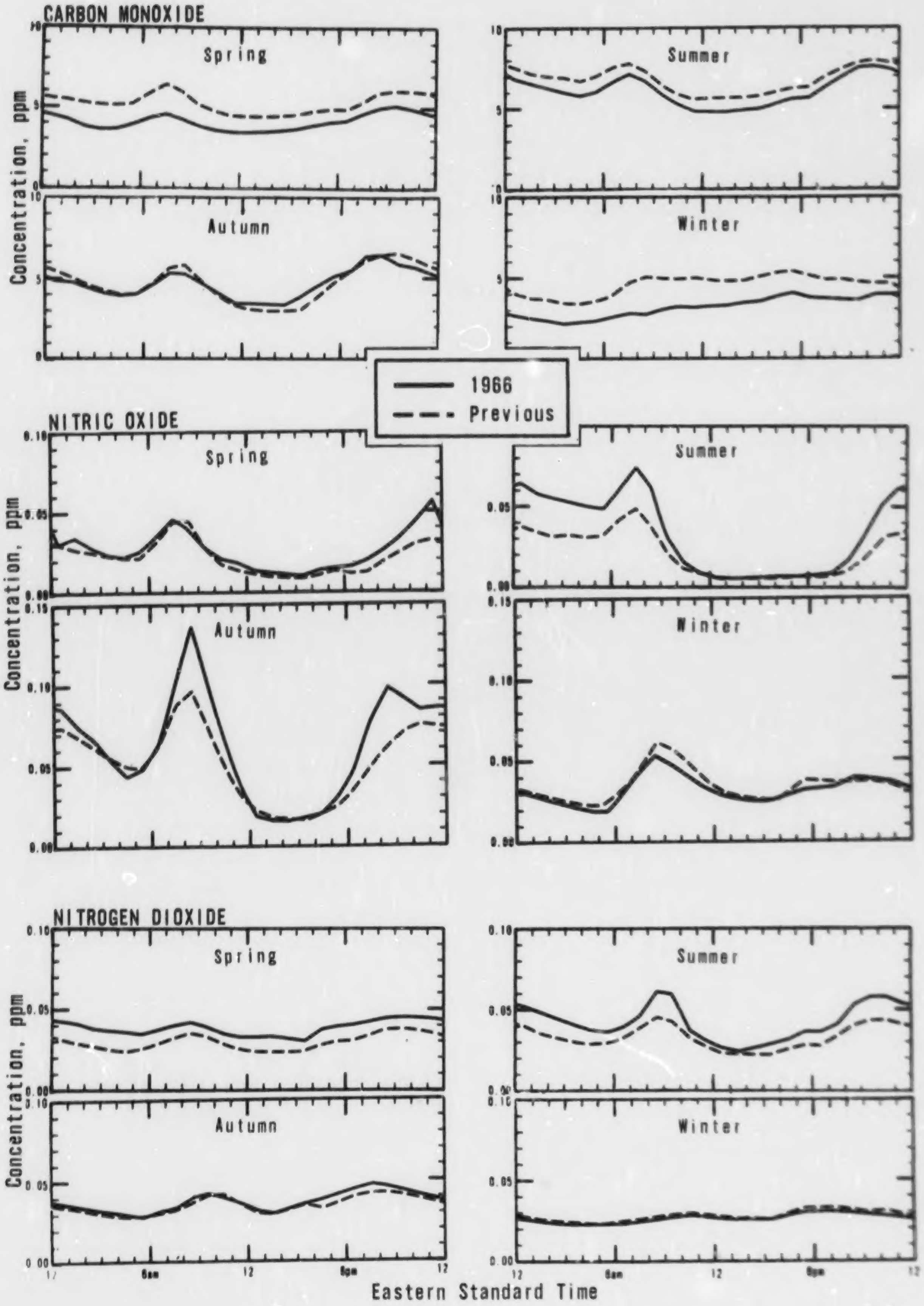


Figure 2. Seasonal diurnal variation patterns, Cincinnati.

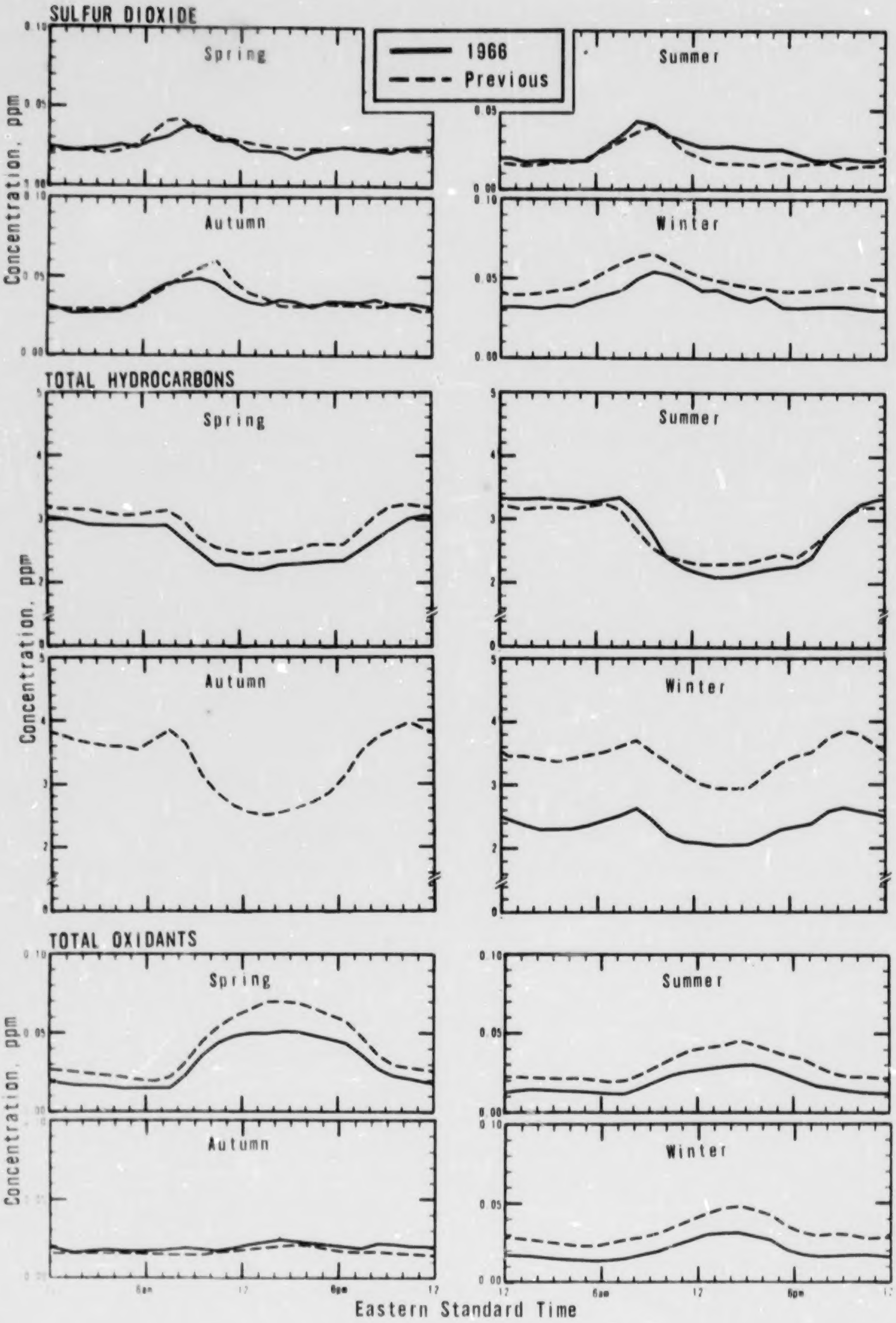


Figure 2 (continued). Seasonal diurnal variation patterns, Cincinnati.

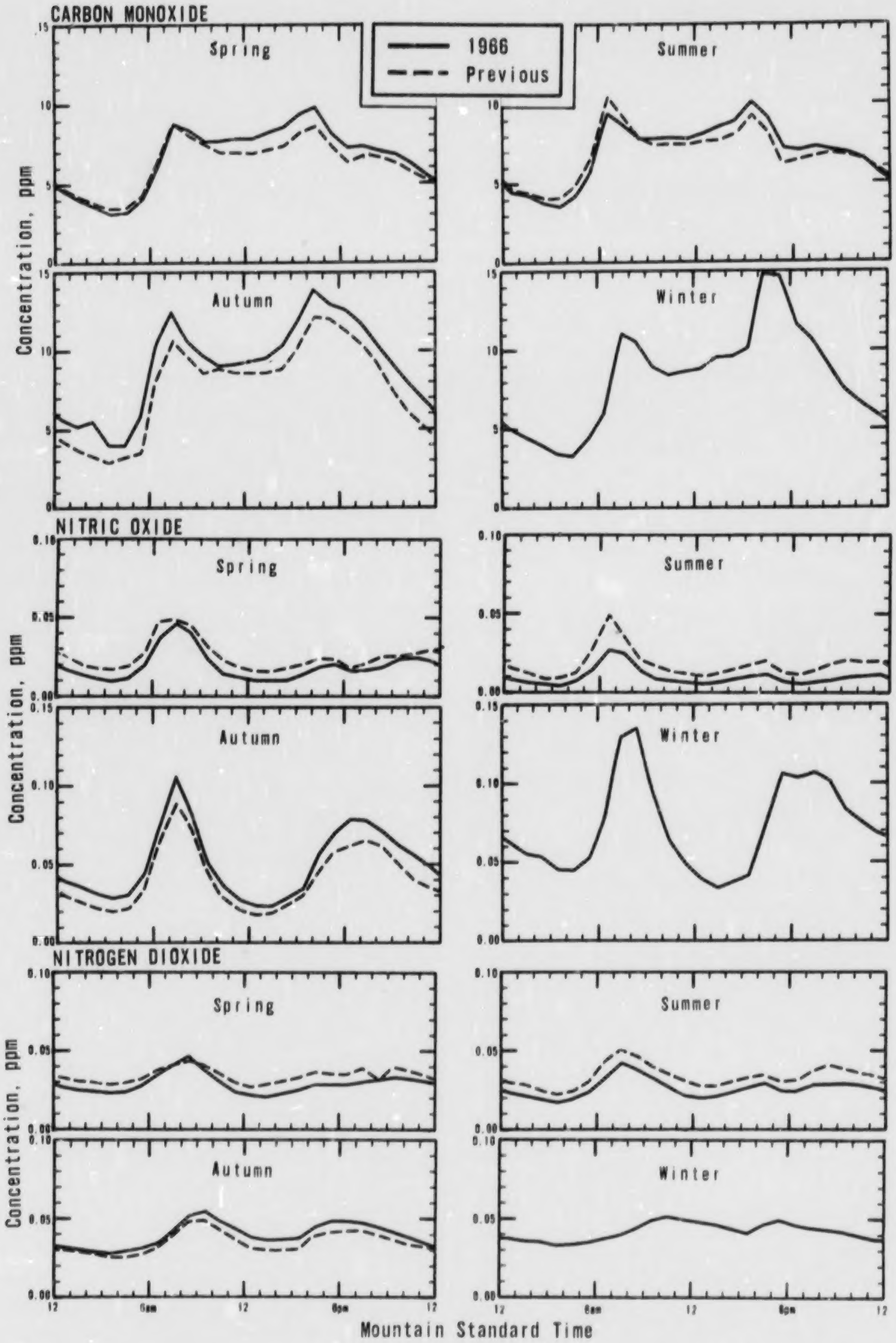


Figure 3. Seasonal diurnal variation patterns, Denver.

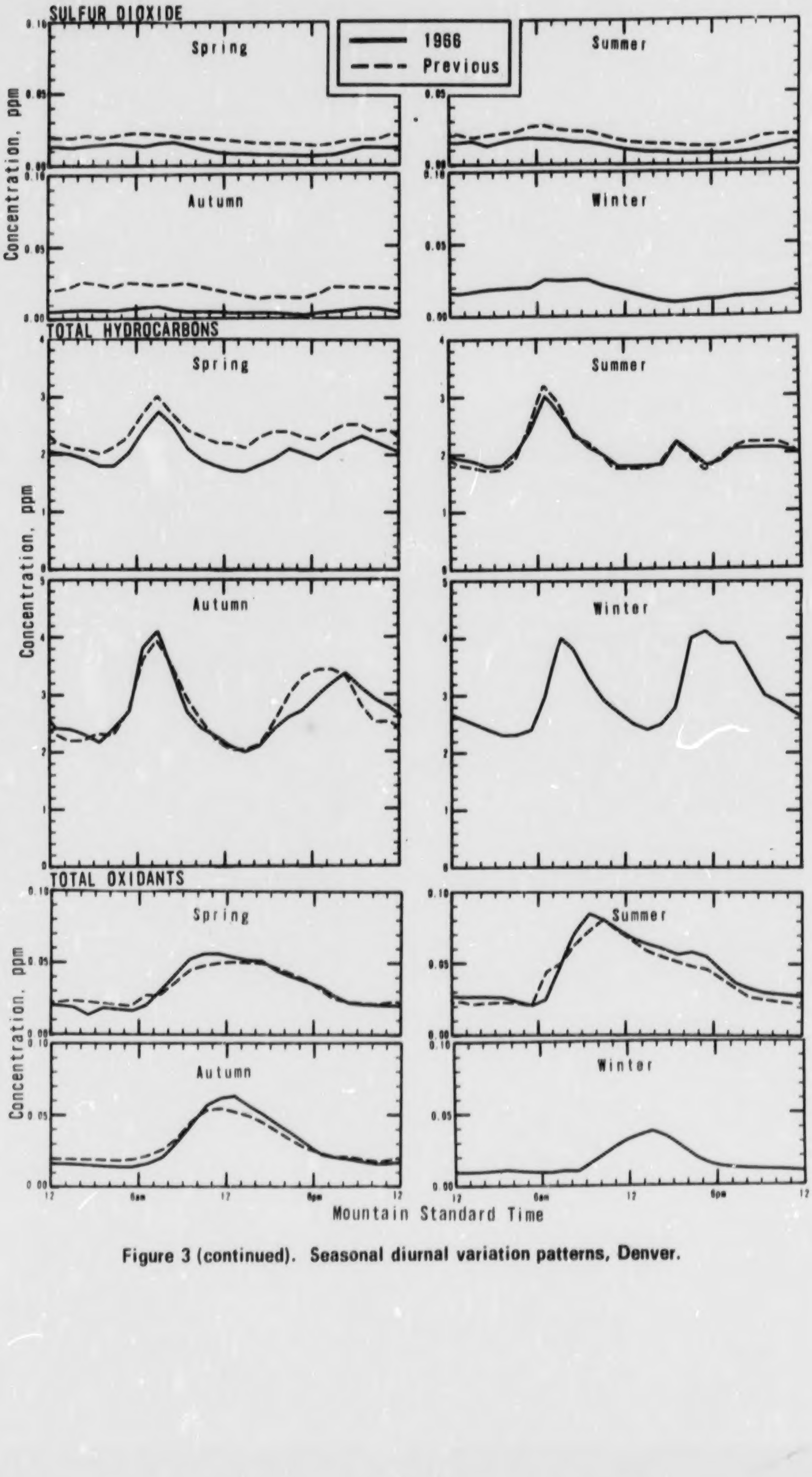


Figure 3 (continued). Seasonal diurnal variation patterns, Denver.

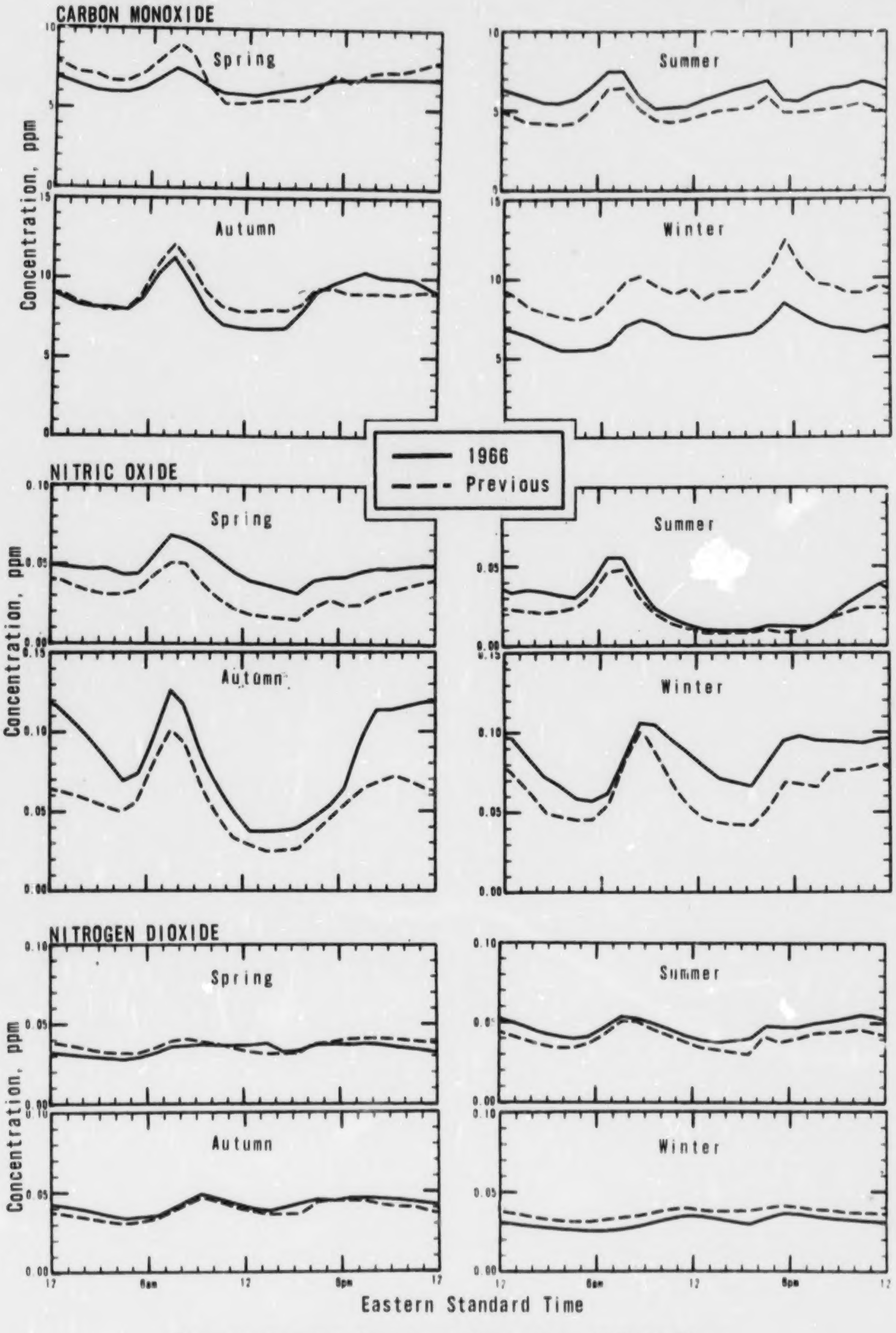


Figure 4. Seasonal diurnal variation patterns, Philadelphia.

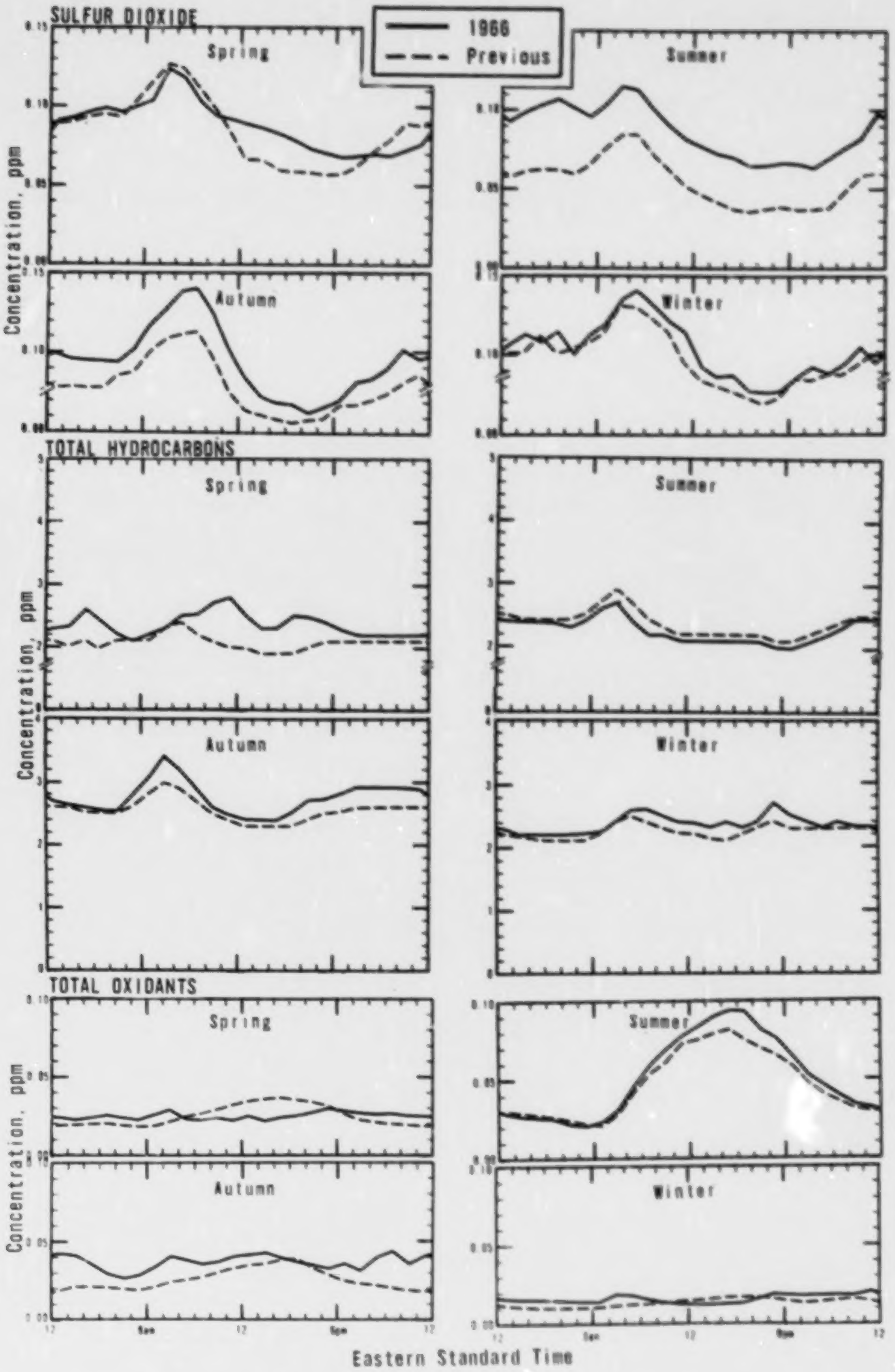


Figure 4 (continued). Seasonal diurnal variation patterns, Philadelphia.

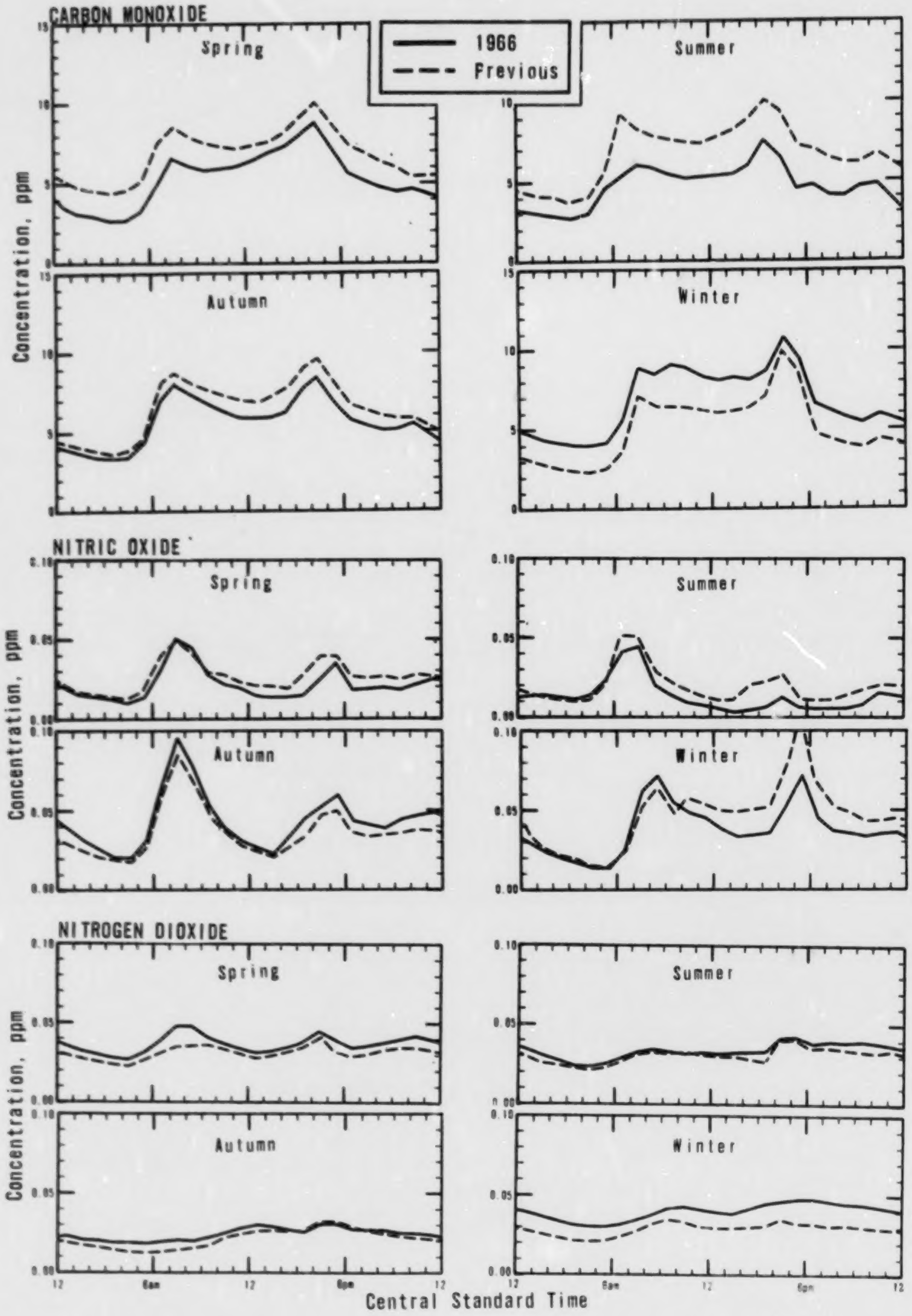


Figure 5. Seasonal diurnal variation patterns, St. Louis.

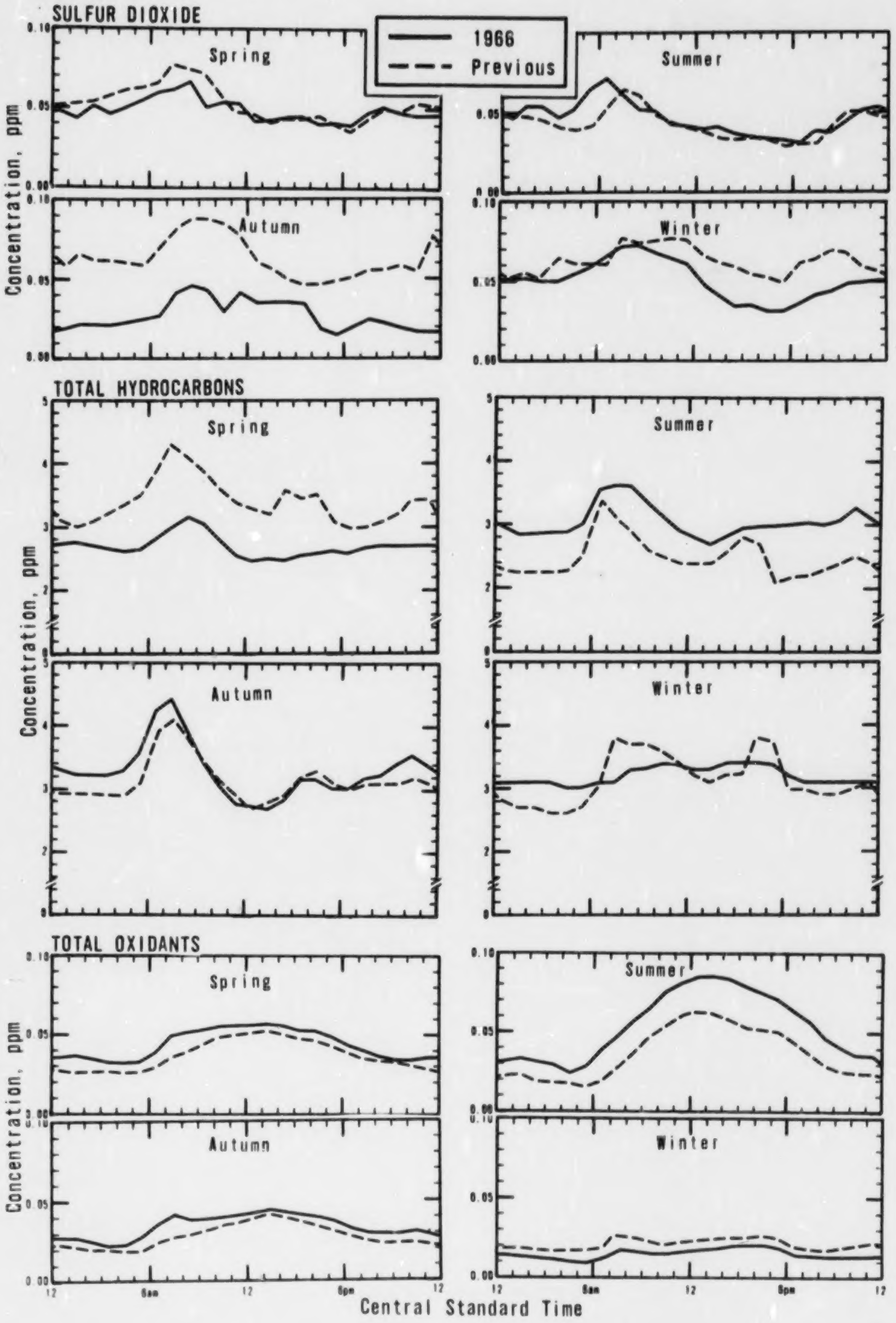


Figure 5 (continued). Seasonal diurnal variation patterns, St. Louis.

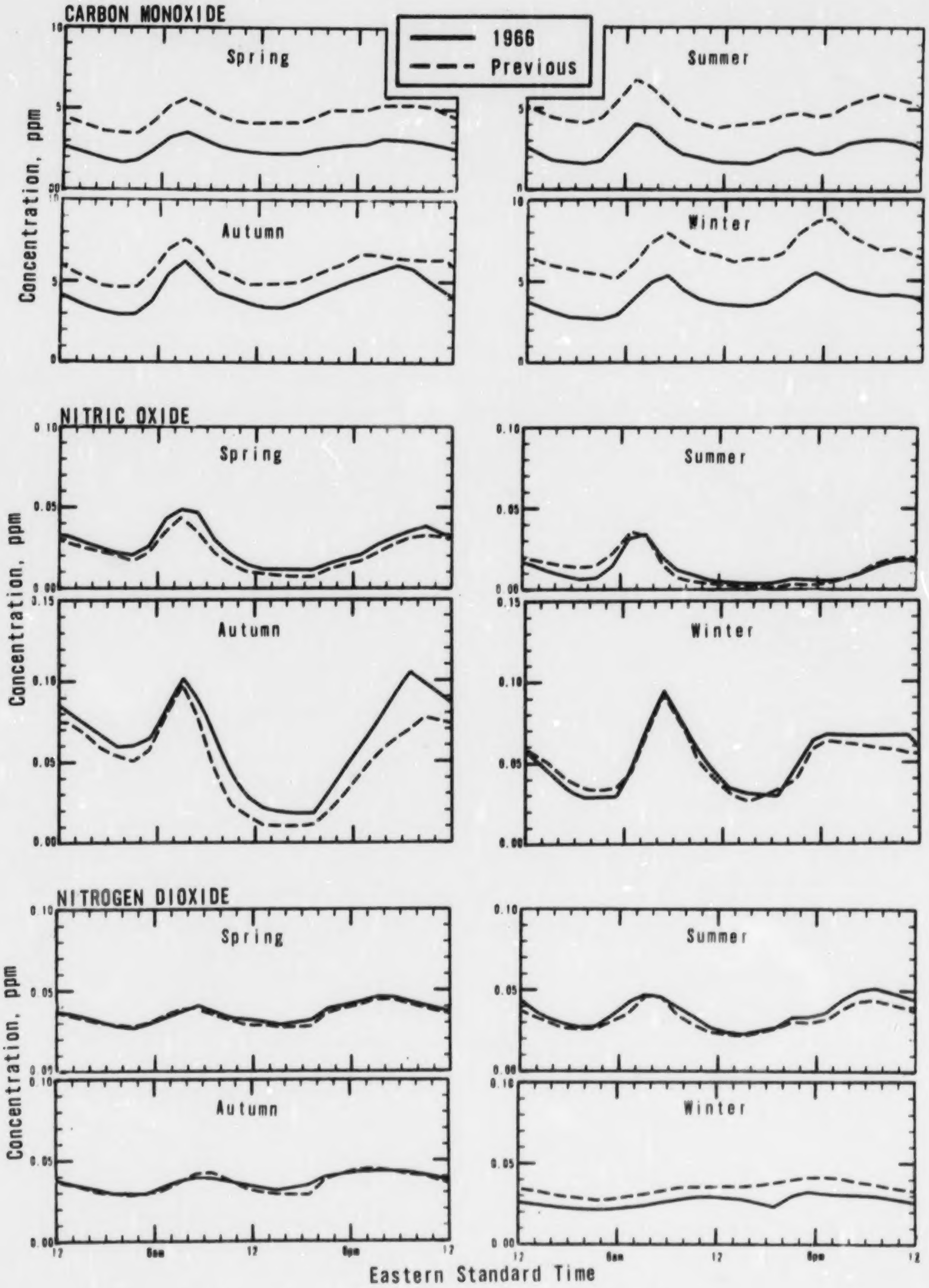


Figure 6. Seasonal diurnal variation patterns, Washington, D. C.

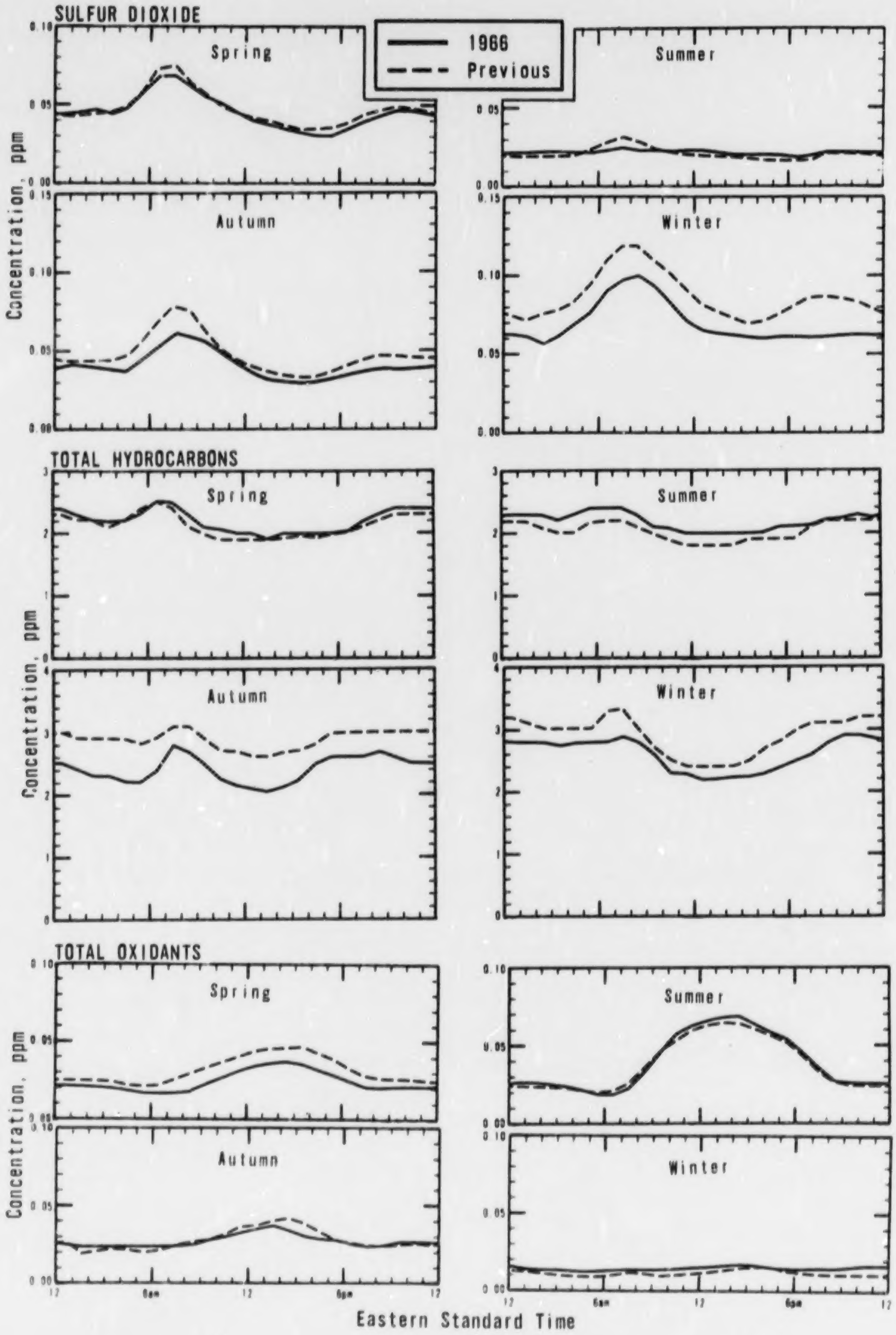


Figure 6 (continued). Seasonal diurnal variation patterns, Washington, D.C.

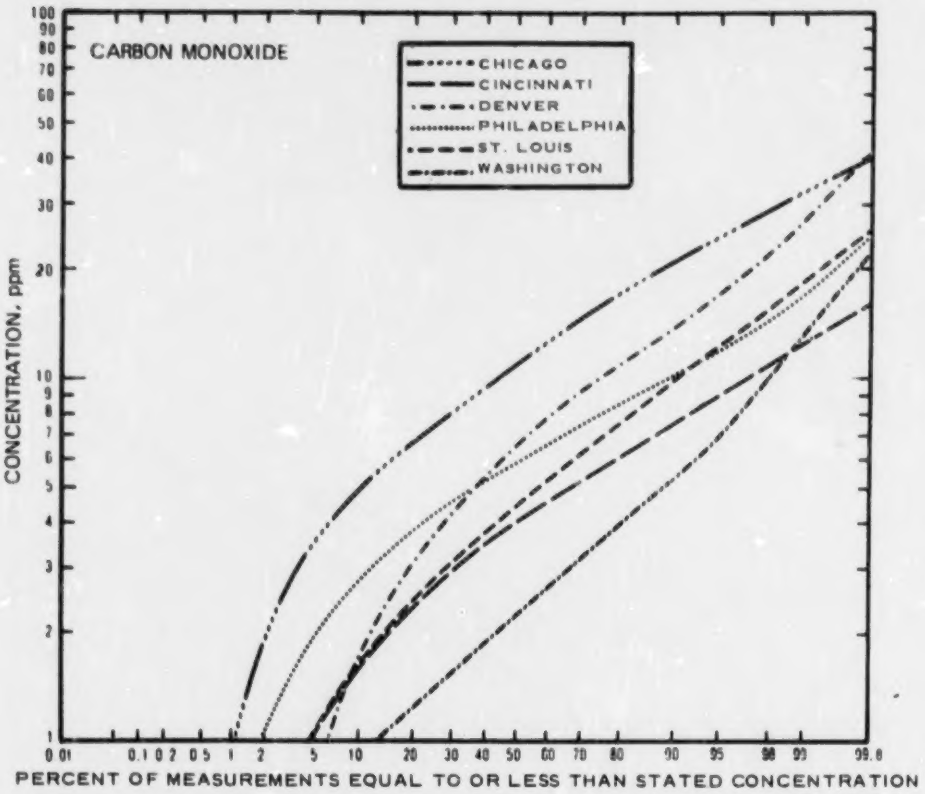


Figure 7. Frequency distribution of carbon monoxide data (CAMP), 1966 (5-minute values).

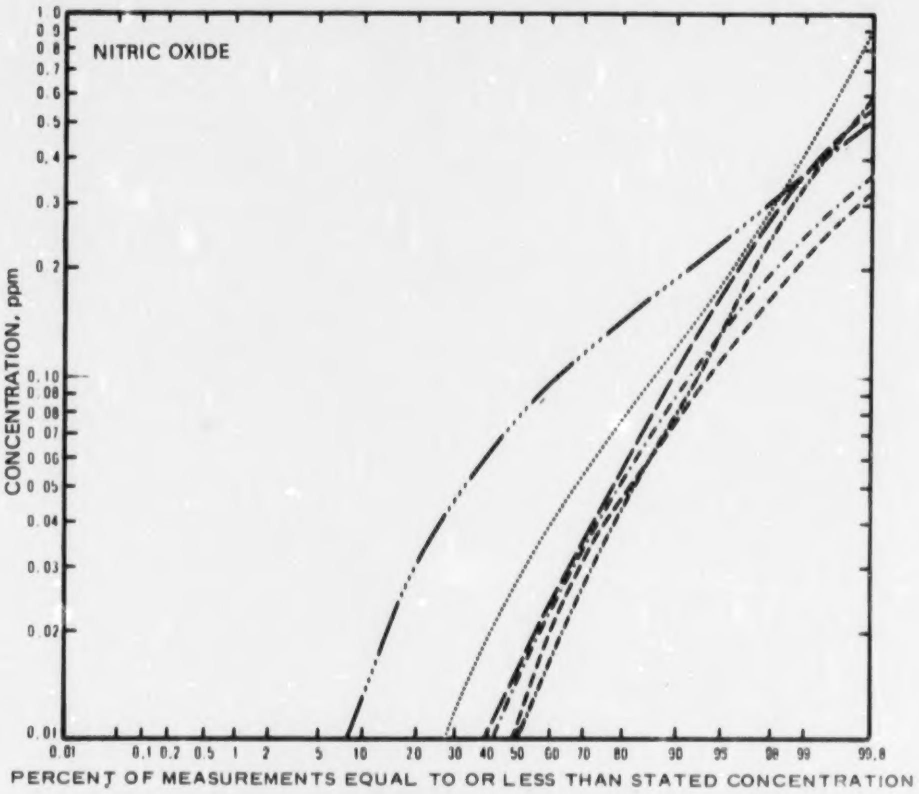


Figure 8. Frequency distribution of nitric oxide data (CAMP), 1966 (5-minute values).

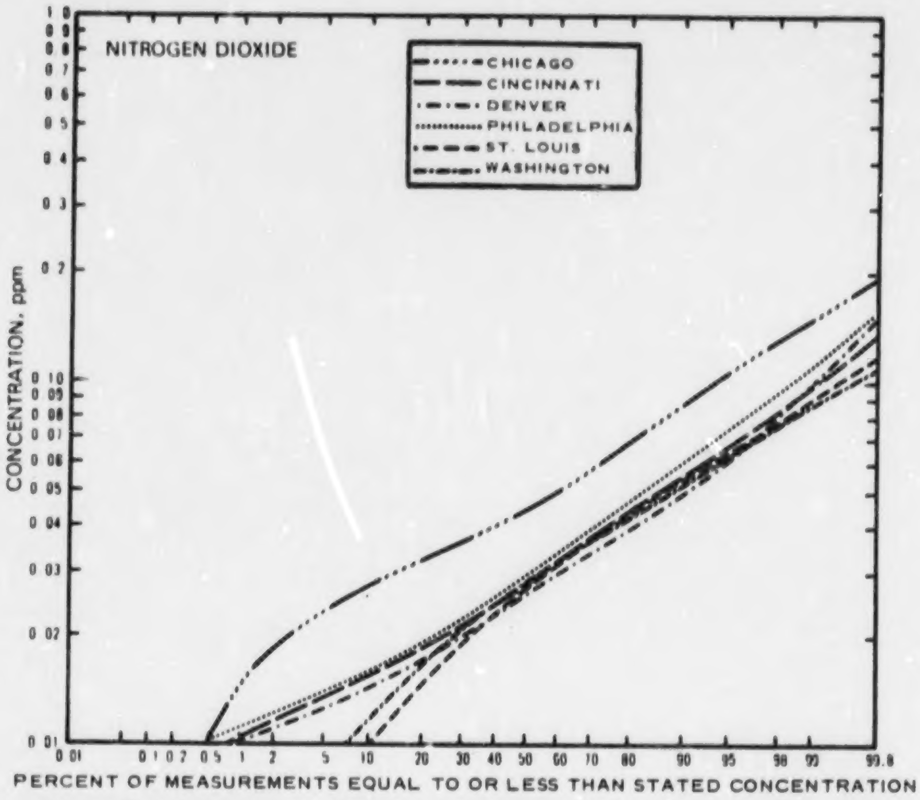


Figure 9. Frequency distribution of nitrogen dioxide data (CAMP), 1966 (5-minute values).

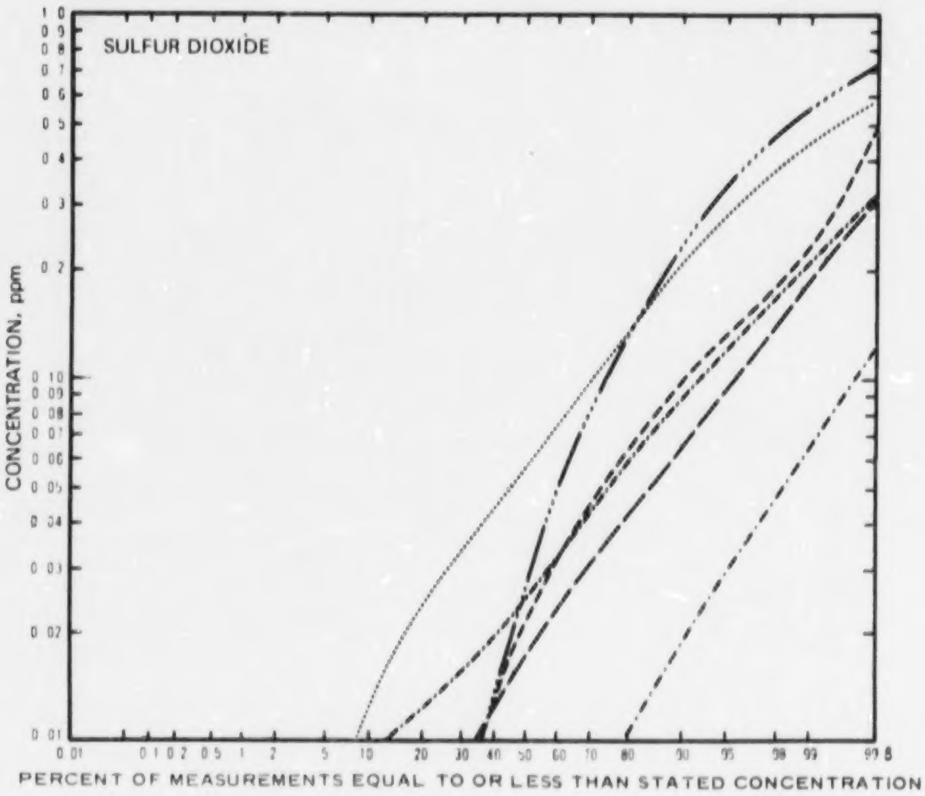


Figure 10. Frequency distribution of sulfur dioxide data (CAMP), 1966 (5-minute values).

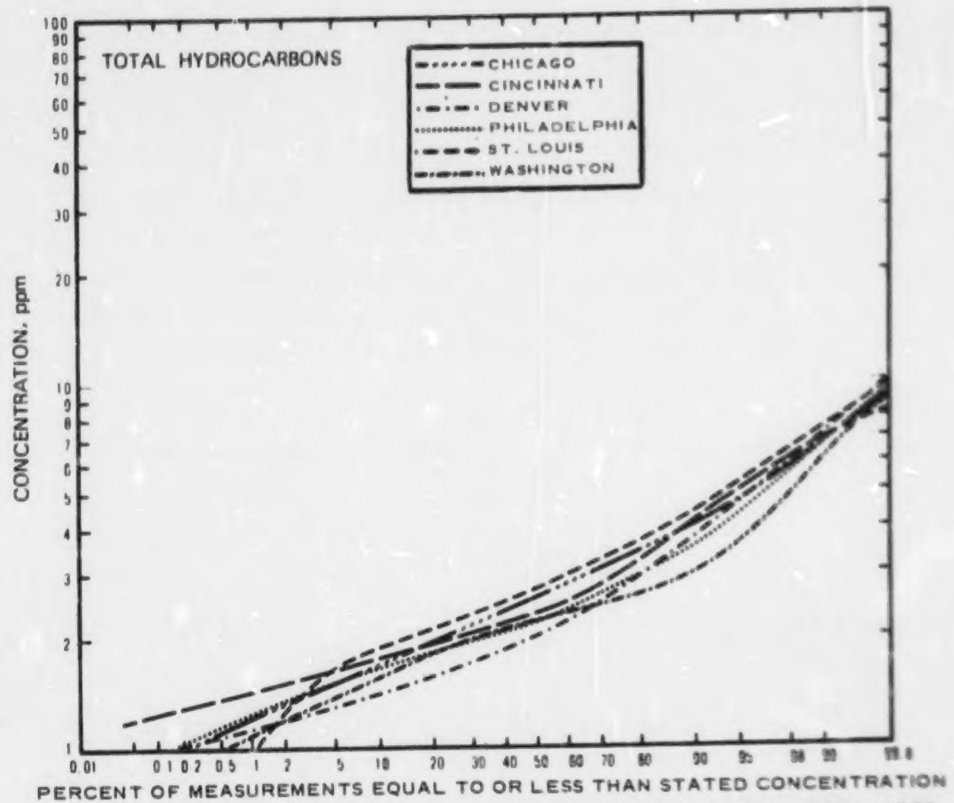


Figure 11. Frequency distribution of total hydrocarbons data (CAMP), 1966 (5-minute values).

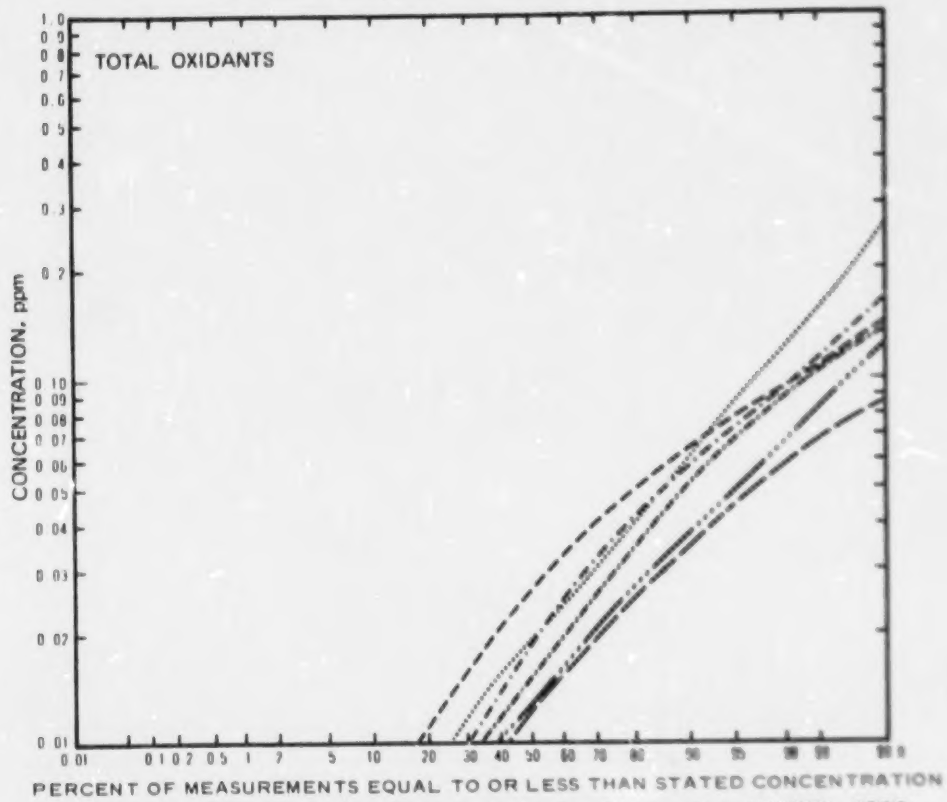


Figure 12. Frequency distribution of total oxidants data (CAMP), 1966 (5-minute values).

EMISSION INVENTORY OF SULFUR DIOXIDE

Figure 13, based on published data for 1962 through 1966, shows estimated emissions of sulfur dioxide (in tons per square mile per year) for 69 Standard Metropolitan Statistical Areas (SMSA).

The total emissions were arrived at by inventory of emissions throughout the SMSA or by estimate from the consumption of sulfur-bearing fuels in the area.

Almost all of the SMSA's in the higher density categories are located east of the Mississippi River and within a belt that stretches diagonally across the country. Much of the nation's industrial activity is concentrated in this region, where coal and fuel oils are the main sources of energy.

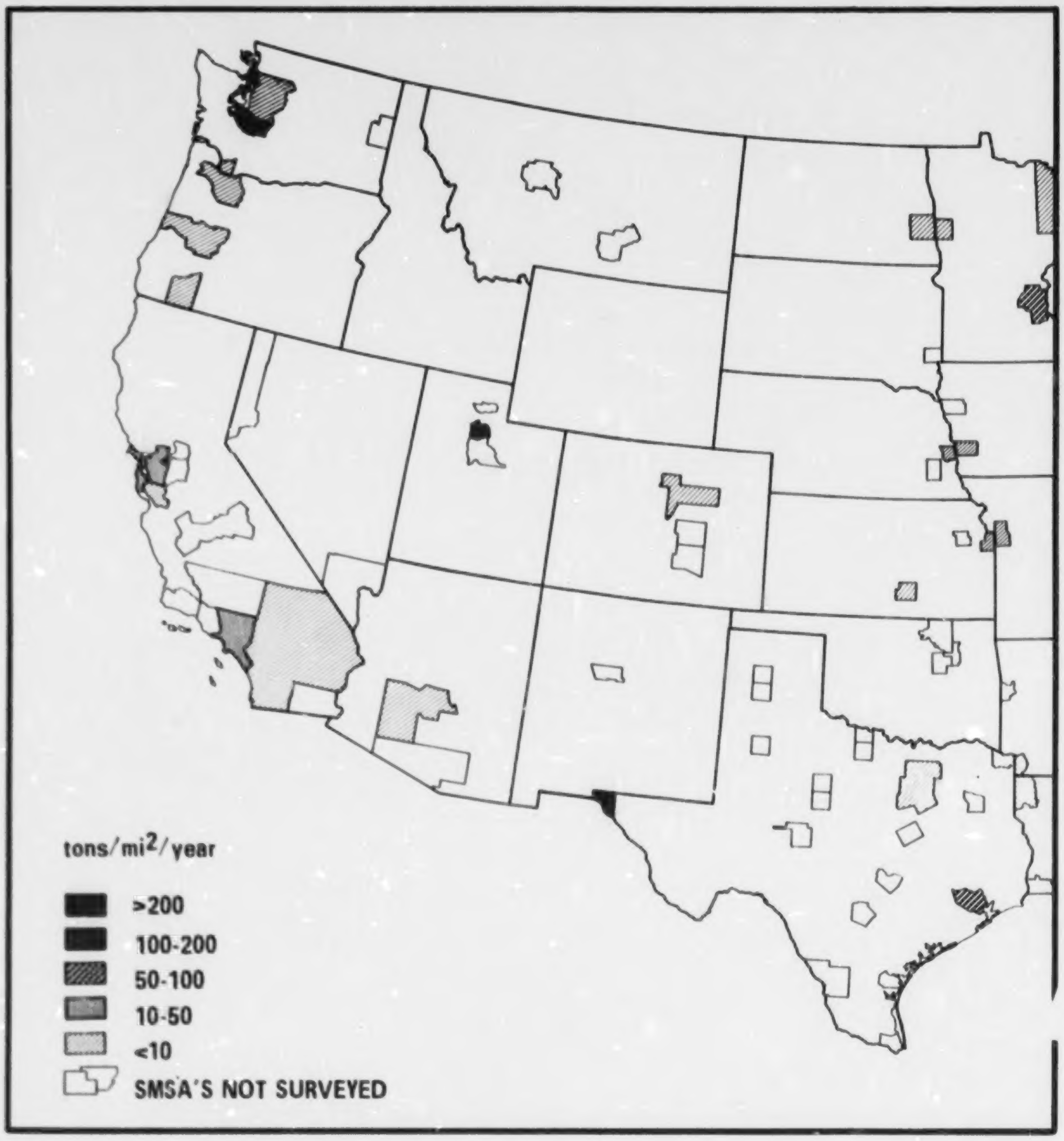
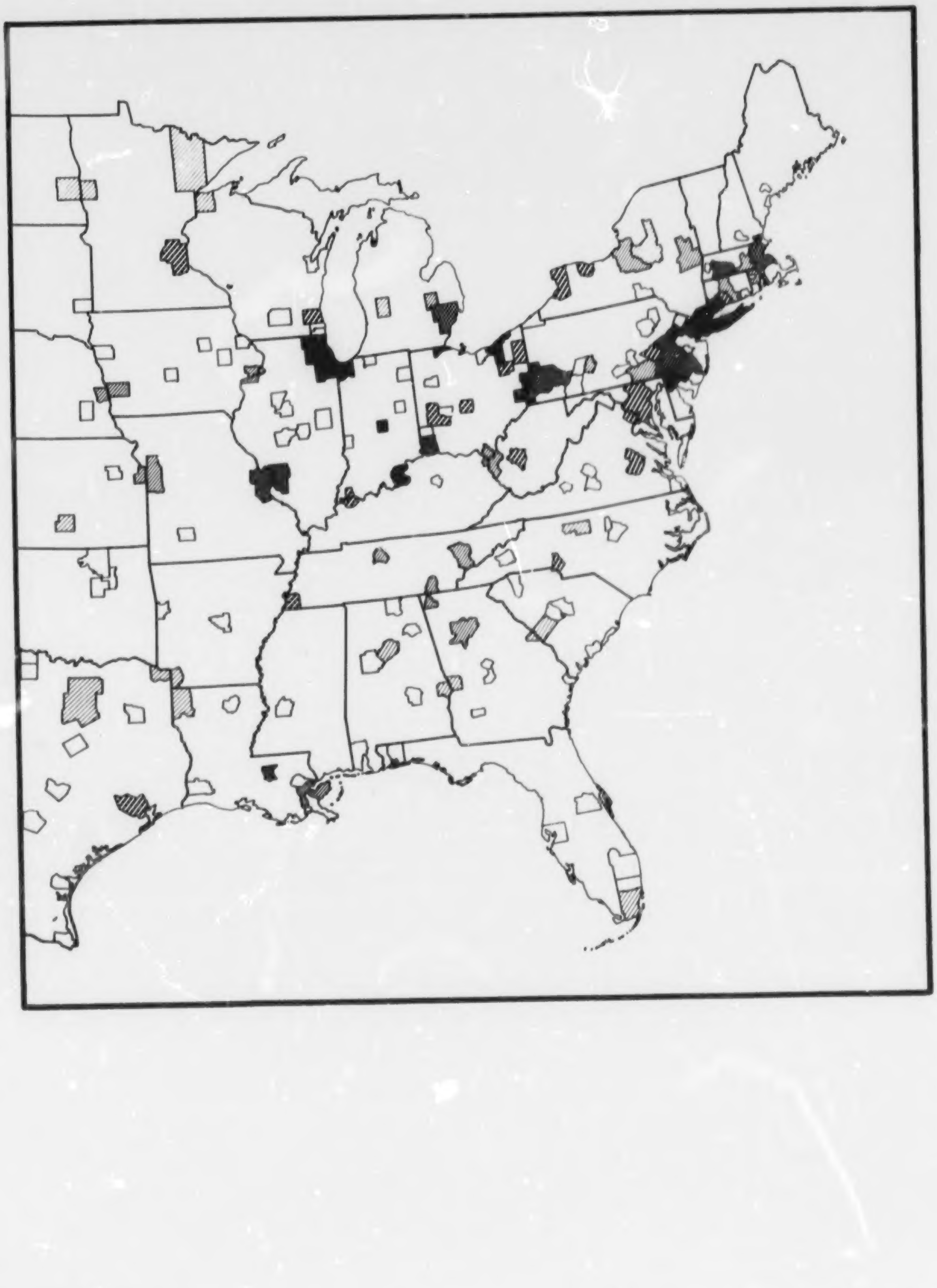


Figure 13. Estimated emissions of SO_2 in Standard Metropolitan Statistical Areas.



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DATA TABLES

SUSPENDED PARTICULATES

Tables 6 through 9 present 1966 data on the concentration of suspended particulate matter in the air. Data from urban sampling stations are presented as frequency distributions, by state in Table 6 and by individual stations in Table 7. Table 8 presents frequency distributions of suspended particulate data from nonurban stations, and Table 9 presents abbreviated summaries of data from stations for which a representative year's data were not available. The stations indicated by asterisks are operated by state or local agencies that contribute to the central air quality data bank.

The weight (or mass) of particulate matter per volume of air usually is determined by drawing air through a pre-weighed filter with a high-volume, or "Hi-Vol", air sampler, and then weighing the soiled filter. Precise laboratory procedures, however, may differ from one laboratory to another. The following procedure is used by the Air Quality and Emission Data Program for all sampling conducted by the National Air Surveillance Networks.

Each city's "Hi-Vol" sampler is located in the central business-commercial district at a site that is, as nearly as practical, comparable with the corresponding sites in other cities. In such a location, measured concentrations tend to be among the higher concentrations found in the city and, therefore, cannot be interpreted as the city-wide average. Contrasts between cities are considered valid on a relative scale, however.

The "Hi-Vol" samplers, operate at 40 to 60 cubic feet per minute, collect particulates from about 2200 cubic meters of air during the 24-hour sampling period. The NASN stations are operated during 26 randomly selected days per year. The filters used are 8- by 10-inch flash-fired glass fiber filters selected for low and uniform background concentrations of those substances to be detected.

To eliminate any that have pinholes or other flaws that could affect air flow, the filters are screened on a light table. Prior to weighing, they are equilibrated for 24 hours at 75°F and a relative humidity of 50 percent or less. Since any crease in a filter can seriously affect the airflow, filters are weighed with a balance that permits weighing without bending.

The filters are then distributed unfolded to the cooperating local agencies. After sampling, the filters with the collected particulate matter inside are folded in half and are returned to the laboratory. After a filter with the collected particulates is again equilibrated for 24 hours at 75°F and 50 percent or less relative humidity, it is weighed to determine the amount of particulate matter collected. The equilibration at low relative humidity prior to this weighing is of crucial importance, since many of the compounds collected (ammonium sulfate in particular) are quite hygroscopic. Figure 14 shows the effect of humidity on the measured weights of soiled filters from three widely differing sampling locations. The increase in weight at the higher humidities represents the amount of atmospheric moisture collected by the particulate matter on the filters.

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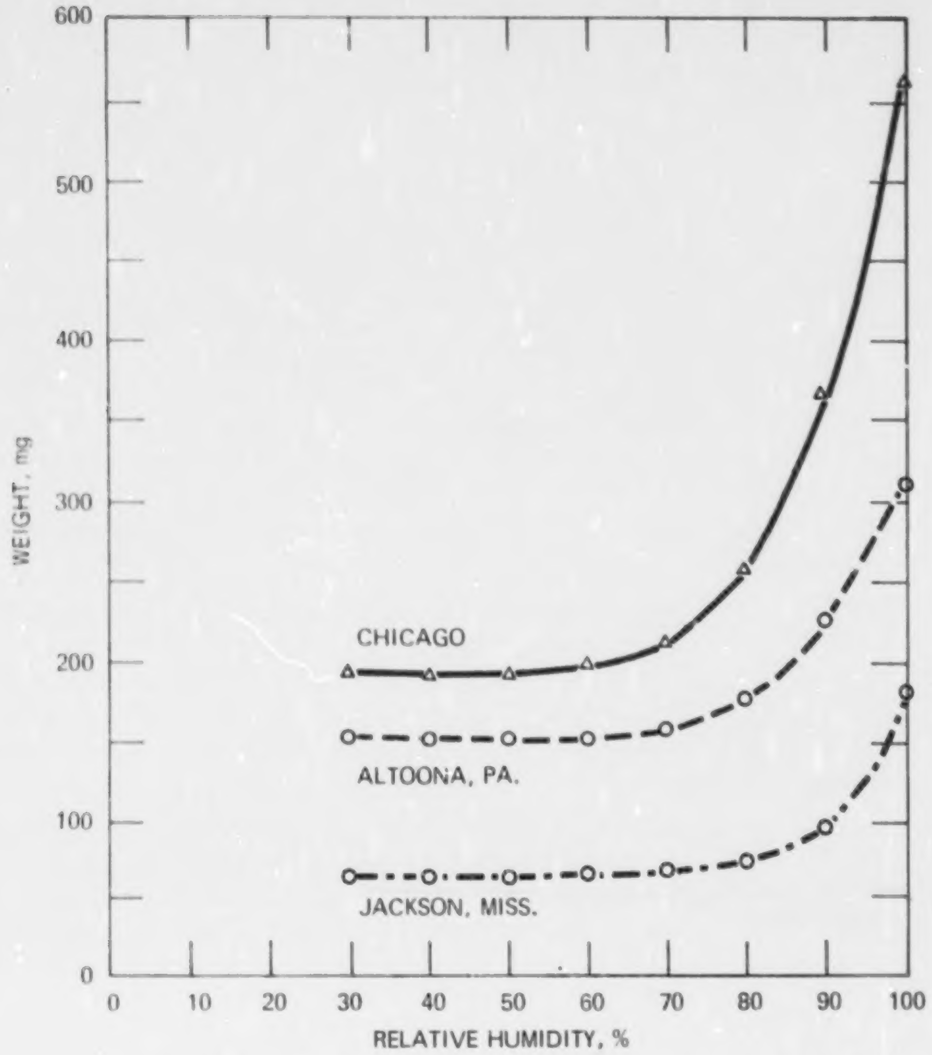

Figure 14. Effects of relative humidity on weight of atmospheric particulates at 75°F.

ORGANIC PARTICULATES

Tables 10 through 14 present 1966 data on the portion of suspended particulate matter that consists of organic chemical compounds. The concentrations of benzene-soluble organic material from urban stations are summarized by state in Table 10; data for individual urban and nonurban stations are presented in Tables 11 and 12, respectively. All benzene-soluble organic concentrations are determined from quarterly composite samples.

The numerous specific organic compounds that dissolve in benzene are believed to include most of the man-made organic pollutants. Natural organic particulates in the air, such as pollens and molds, generally are not soluble in benzene.

Benzene-soluble organics are determined by extraction of aliquots of the samples with redistilled benzene in a Soxhlet* extractor for 6 to 8 hours. This extraction removes more than 90 percent of the benzene-soluble organic materials from the sample. After extraction, the solution is concentrated and is filtered into a tared test tube. The benzene solvent is then evaporated at 60°C, and the organic matter remaining is weighed.

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*Mention of a company or product name does not imply endorsement by the United States Department of Health, Education, and Welfare.

Tables 13 and 14 present data on the concentration of benzo(a)pyrene in the particulate matter from urban and nonurban stations, respectively. Benzo(a)-pyrene, one of the many specific organic compounds included in the benzene-soluble fraction, is of sufficient interest to warrant separate determination because of its carcinogenic, i.e. cancer-causing, properties.

The benzo(a)pyrene analyses were conducted on three composite samples for each station: a first-half (January-June) composite and quarterly composite samples for the third and fourth quarters. The first-half composites are entered in Tables 13 and 14 as identical values for the first and second quarters and were weighted twice in the calculation of the annual averages.

The units used in reporting benzo(a)pyrene concentrations are different from those used for other fractions of the particulate matter. Because it is present in extremely small amounts, benzo(a)pyrene is reported in nanograms (10^{-9}grams) per cubic meter rather than in micrograms (10^{-6}grams) per cubic meter.

RADIOACTIVITY

Table 15 summarizes beta radioactivity measurements of particulate samples gathered during 1966. The urban and nonurban data are summarized together by state, since radioactive material is generally distributed from the upper atmosphere over urban and rural areas alike. In 1967 the Air Quality and Emission Data Program discontinued routine radioactivity monitoring of network samples. This effort was conducted in cooperation with the National Center for Radiological Health, which will continue to gather similar information through its own sampling network.

NONMETALLIC INORGANIC PARTICULATES

Tables 16 through 21 present the results of chemical analyses of samples for 1965 of three nonmetallic inorganic groups. Data on ammonium, nitrate, and sulfate compounds in particulate samples from urban stations are presented in frequency distribution format in Tables 16, 18, and 20, respectively, and comparable data from nonurban stations in Tables 17, 19, and 21. For the first time, the samples, including nonurban samples, from all NASN stations in a given year have been analyzed.

Analyses for all three of the nonmetallic inorganics are conducted with autoanalyzers on an aqueous extract of an 8.3 percent aliquot of the particulate sample. The sample aliquot is refluxed with 50 ml of distilled water in a 125-ml flask, cooled and filtered, and then reextracted with 10 to 15 ml of water. In filtration of this extract, the filter and flasks are washed to a total volume of 50 ml of filtrate, which is then mixed and used for the three analyses.

Ammonium ion in the filtrate is determined by reaction with sodium phenolate and a commercial 5.25 percent stabilized sodium hypochlorite solution to produce a blue complex. The intensity of the color of this complex is measured spectrophotometrically at 425 millimicrons.

Nitrate ion in the filtrate is reduced to nitrite by alkaline hydrazine (pH about 11). Sulfanilamide is then added to form a diazo compound, which is subsequently complexed with N-1-naphthylethylenediamine. The resulting complex is measured spectrophotometrically at 535 millimicrons. This method offers distinct advantages in avoiding interferences from other water-soluble compounds found in atmospheric particulates.

Sulfate ion in the filtrate is determined by the methylthymol blue method which is appropriate only with autoanalyzer techniques since the methylthymol blue dye is oxidized by atmospheric oxygen. The filtrate is reacted with a reagent consisting of equal parts of methylthymol blue dye and barium chloride, kept at a pH of 2.8 to prevent the formation of a chelate complex from the dye and the barium. Any sulfate ion in the sample reacts with the barium, leaving an excess of methylthymol blue dye that is proportional to the amount of sulfate present. The pH is then raised to 12.4, at which point the barium not removed by the sulfate forms a chelate complex with the methylthymol blue dye and the excess dye turns yellow. The intensity of the yellow color is then determined colorimetrically at 480 millimicrons.

METALS

Tables 22 through 68 present data on the concentrations of 16 metals in urban and nonurban quarterly composites of samples collected during 1965, and in earlier urban samples that have been analyzed in retrospect, some individually and some as quarterly composites. Detectable quantities of antimony, beryllium, bismuth, cadmium, cobalt, and molybdenum are found so infrequently that data for these metals are presented in abbreviated summary tables.

In the metals analysis an aliquot of the sample is first ashed and then extracted with nitric acid. The manner of ashing the sample may be critical in the determination of the more volatile metals, such as lead, zinc, and cadmium. In the past, samples have been ashed in a muffle furnace at 500°C, but they are now ashed in a low-temperature (less than 100°C) asher. After ashing and extraction, metals contents of urban samples are determined with an emission spectrograph.

This report contains summaries of the first extensive metals analyses of nonurban samples, collected from 29 nonurban stations in 1965. Improvements in the analytical method, including preparation of sample extracts up to five times more concentrated than those for the urban samples, have so increased sensitivity that metals can be detected in many nonurban samples.

Table 3 lists the minimum quantities in which metals are detectable in urban and nonurban samples under average operating conditions. The degree of interference from other substances determines the actual sensitivity in an individual analysis. In this publication, a recorded concentration of zero means only that the actual concentration was below the minimum detectable. However, in the calculation of annual station averages, concentrations below the minimum detectable are treated as zero concentrations.

SOILING INDEX

Table 69 presents frequency distributions of soiling index values measured at the six CAMP stations, and Table 70 presents daily averages of these values. Soiling index values are determined with a standard AISI tape sampler operating on a 2-hour cycle. The soiled tapes are read with an automated transmissivity meter that determines the soiling index values. Since the transmittance of light through the soiled spot is affected primarily by the surface areas of the particles collected, soiling index values reflect mainly the smaller particles. When values over 6.0 are indicated, the soiled spot is so dense that an accurate determination is not possible. Such values are under-estimated, that is they are lower than would be the average of two 1-hour determinations.

GASEOUS POLLUTANTS

Tables 71 through 82 present various summaries of gaseous pollutant data from three of the National Air Surveillance Networks: The Continuous Air Monitoring Program (CAMP), the 24-hour gas bubbler network, and the lead candle network.

The CAMP data are presented in Tables 71 through 76 as monthly and annual frequency distributions of the basic 5-minute values recorded. Tables 77 through 82 present daily arithmetic averages of the data.

Data from the gas bubbler network on ammonia, nitrogen dioxide, and sulfur dioxide are presented in Tables 83, 84, and 85, respectively. The gas-bubbler samplers are operated on the same schedule of 26 randomly selected days as are the "Hi-Vol" samplers. The tables include data from both "qualifying" and "non-qualifying" stations. If a station did not meet the criterion of 20 properly distributed samples, the geometric mean and standard deviation were not calculated. The nitrogen dioxide bubbler design was modified during 1966, and the calibration constants were recalculated; therefore, nitrogen dioxide bubbler data for 1966 cannot be considered strictly comparable with data from years prior to 1966.

Tables 86 presents the results of the first partial year of operation of the lead candle network. The lead candle provides an index of sulfation, which is determined by the reaction of sulfurous compounds with lead peroxide exposed to the air for 30 days, and which is expressed in milligrams of sulfur trioxide per 100 square centimeters per day. The lead candle consists of a gauze sleeve impregnated with lead peroxide and housed in a circular shelter to assure uniform directional exposure.

COLORADO STATE NETWORK

Tables 87 and 88 present data provided by the Colorado State Network. These data on suspended particulates and benzene-soluble organics are not integrated with other data.

Table 6. SUSPENDED PARTICULATES, STATE AND NATIONAL SUMMARIES OF URBAN FREQUENCY DISTRIBUTIONS

Location Region State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution - Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA	66	77	27	52	63	71	85	91	113	135	172	205	462	117	99	1.77
ALASKA	66	21	19	20	28	38	47	127	142	157	171	210	349	116	81	2.46
ARIZONA	66	75	11	31	44	52	68	78	88	121	163	210	541	101	77	2.10
ARKANSAS	66	52	20	51	69	81	89	98	106	123	146	178	256	108	97	1.63
CALIFORNIA	66	254	21	41	53	63	82	94	104	121	144	177	293	101	88	1.71
COLORADO	66	25	59	67	72	91	108	127	139	157	171	210	230	126	117	1.51
CONNECTICUT	66	125	23	44	53	61	70	81	90	112	127	148	276	92	82	1.61
DELAWARE	66	49	27	67	75	88	100	110	119	132	155	194	392	123	110	1.61
DIST. OF COL.	66	25	38	47	55	61	65	71	75	83	88	118	216	77	72	1.42
FLORIDA	66	95	14	22	28	33	37	43	49	57	66	83	106	48	43	1.60
GEORGIA	66	225	14	42	56	63	72	85	93	105	120	156	529	96	82	1.71
HAWAII	66	26	22	25	26	27	28	31	35	40	44	47	74	35	33	1.35
IDAHO	66	25	32	67	71	77	83	91	96	103	106	150	156	93	88	1.41
ILLINOIS	66	121	37	55	77	86	96	106	122	142	167	203	323	123	110	1.62
INDIANA	66	147	9	68	85	99	114	129	140	157	191	242	340	139	124	1.67
IOWA	66	76	36	67	81	95	104	120	137	150	170	192	242	125	115	1.52
KANSAS	66	48	24	52	59	64	72	83	93	104	121	140	221	92	84	1.52
KENTUCKY	66	76	27	77	85	94	106	121	137	154	183	229	423	142	125	1.65
LOUISIANA	66	26	45	52	60	68	71	76	83	88	102	127	401	93	82	1.56
MARYLAND	66	26	70	84	95	108	116	127	141	150	171	263	296	144	133	1.48
MASSACHUSETTS	66	100	20	33	37	46	54	64	73	83	96	108	309	72	63	1.66
MICHIGAN	66	50	43	52	65	81	91	100	108	127	164	194	294	113	101	1.60
MINNESOTA	66	103	16	36	46	55	64	75	86	96	107	127	234	81	71	1.70
MISSISSIPPI	66	26	20	47	50	55	56	62	67	72	82	91	113	65	62	1.42
MISSOURI	66	48	51	77	91	100	110	122	135	147	162	189	255	130	122	1.42
MONTANA	66	26	17	20	28	35	40	50	55	60	71	84	122	53	47	1.68
NEBRASKA	66	25	59	91	96	103	108	119	127	139	146	178	225	125	120	1.34
NEVADA	66	20	60	68	74	84	91	97	104	108	122	135	158	99	96	1.30
NEW HAMPSHIRE	66	26	13	18	19	24	30	32	38	44	55	73	92	40	35	1.72
NEW JERSEY	66	171	17	54	63	73	84	99	115	134	155	178	336	110	97	1.67
NEW MEXICO	66	25	36	67	72	81	88	100	108	139	164	248	302	120	106	1.64
NEW YORK	66	2626	9	34	46	55	66	78	93	111	136	185	1321	98	79	1.94
NORTH CAROLINA	66	26	50	65	73	82	86	100	127	150	171	194	353	126	112	1.62
NORTH DAKOTA	66	53	12	26	37	44	50	65	75	88	102	127	156	70	60	1.80

Table 6 (continued). SUSPENDED PARTICULATES, STATE AND NATIONAL SUMMARIES OF URBAN FREQUENCY DISTRIBUTIONS

Location Region State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution - Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
OHIO	66	552	6	55	74	87	100	114	129	147	172	214	602	130	113	1.71
OKLAHOMA	66	51	35	45	50	60	69	76	82	88	100	150	510	89	77	1.62
OREGON	66	22	25	35	40	52	60	68	74	84	109	121	174	75	66	1.65
PENNSYLVANIA	66	176	24	52	78	89	106	121	134	147	173	226	446	131	114	1.71
PUERTO RICO	66	102	18	28	40	53	61	72	89	110	145	199	293	96	76	1.99
RHODE ISLAND	66	24	59	69	81	88	102	115	122	142	164	199	268	121	113	1.48
SOUTH CAROLINA	66	49	31	40	53	62	69	76	88	102	119	141	242	86	78	1.58
SOUTH DAKOTA	66	26	27	35	40	47	55	61	67	72	81	88	98	61	57	1.60
TENNESSEE	66	73	31	62	76	88	100	113	124	137	154	210	347	123	111	1.59
TEXAS	66	500	8	41	50	59	66	74	83	96	115	150	915	96	78	1.80
UTAH	66	48	16	40	47	52	63	71	80	108	121	144	172	82	72	1.69
VERMONT	66	25	28	37	40	55	62	71	77	88	97	139	207	77	69	1.60
VIRGINIA	66	50	28	42	57	63	69	76	88	100	111	124	162	83	77	1.50
WASHINGTON	66	321	23	43	51	59	67	74	84	98	116	145	284	87	78	1.54
WEST VIRGINIA	66	97	36	65	89	102	115	130	155	173	203	274	684	158	136	1.72
WISCONSIN	66	150	19	41	53	64	72	79	89	101	121	158	391	93	80	1.69
WYOMING	66	26	14	19	21	26	29	33	36	39	50	55	379	48	35	1.92

Table 7. SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM	66	25	53	73	81	91	118	139	150	183	194	210	329	142	128	1.59
GADSDEN	66	26	27	33	40	55	60	67	73	77	97	108	276	77	67	1.68
MOBILE	66	26	48	69	71	81	88	113	127	150	178	223	462	135	116	1.66
ALASKA																
ANCHORAGE	66	71	19	20	28	38	47	127	144	157	171	210	349	114	81	2.46
ARIZONA																
PARADISE VALLEY	66	26	11	21	24	38	42	49	53	60	73	82	941	68	47	2.11
PHOENIX	66	24	28	33	77	118	136	145	157	178	223	271	297	152	128	1.93
TUCSON	66	25	30	47	52	71	77	84	89	108	118	139	175	88	80	1.52
ARKANSAS																
LITTLE ROCK	66	26	33	55	81	91	97	105	121	135	164	189	256	118	107	1.60
WEST MEMPHIS	66	26	20	55	65	72	77	88	100	108	135	150	254	98	87	1.69
CALIFORNIA																
BAKERSFIELD *	66	27	80	91	121	142	164	182	189	199	219	229	293	169	161	1.39
BURBANK	66	26	59	81	88	97	102	113	127	142	161	172	281	122	114	1.49
LOS ANGELES	66	26	41	82	86	94	101	118	133	139	147	164	233	119	113	1.42
MONTEREY *	66	24	26	27	33	40	47	50	52	60	71	108	149	59	52	1.60
OAKLAND	66	25	46	50	55	69	77	88	95	108	121	150	270	94	85	1.55
PASADENA	66	25	42	84	94	102	108	119	127	144	157	170	210	126	119	1.41
SACRAMENTO *	66	25	25	37	40	55	57	61	63	84	94	105	117	66	62	1.48
SAN DIEGO	66	25	21	42	47	53	56	61	69	73	91	108	173	64	63	1.56
SAN FRANCISCO	66	26	30	34	37	40	49	53	65	77	88	100	256	68	60	1.64
SANTA ANA *	66	25	56	79	84	91	97	105	113	127	150	178	199	118	108	1.38
COLORADO																
DENVER	66	25	59	67	72	91	108	127	139	157	171	210	280	126	117	1.51
CONNECTICUT																
BRIDGEPORT *	66	24	23	33	57	60	65	77	95	108	121	142	221	88	78	1.66
HARTFORD	66	26	38	44	51	65	70	77	91	112	123	139	188	90	81	1.59
NEW HAVEN	66	25	48	69	73	81	84	89	97	133	144	178	276	110	101	1.51
NORWICH *	66	26	39	43	46	51	55	61	71	81	91	118	140	72	67	1.43
WATERBURY *	66	24	34	40	47	58	61	88	119	133	144	178	268	102	87	1.77
DELAWARE																
NEWARK	66	25	27	33	68	77	91	101	108	127	150	248	392	121	102	1.79
WILMINGTON	66	24	72	73	86	97	111	118	124	142	157	178	249	124	118	1.38
DIST. OF COL.																
WASHINGTON	66	25	38	47	55	61	65	71	[illegible]	83	88	118	216	77	72	1.42
FLORIDA																
GAINESVILLE *	66	23	14	33	38	42	47	52	[illegible]	65	77	97	106	56	53	1.58
MIAMI *	66	25	24	29	32	35	38	42	47	58	65	91	100	49	45	1.48
ST PETERSBURG *	66	24	17	18	21	22	24	28	31	40	44	58	64	33	31	1.49
TAMPA *	66	23	18	24	30	33	40	52	60	67	72	84	93	52	48	1.60

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station		Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
				Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
					10	20	30	40	50	60	70	80	90				
GEORGIA ATLANTA		66	23	34	40	65	77	86	100	108	116	123	130	189	97	89	1.37
AUGUSTA	*	66	25	36	40	55	59	62	82	91	101	108	130	190	85	77	1.37
COLUMBUS	*	66	25	29	42	45	57	60	65	73	84	91	114	116	70	66	1.48
LYONS	*	66	26	21	30	32	42	47	57	63	68	77	91	122	58	53	1.50
MACON	*	66	25	26	55	65	72	77	88	100	118	127	210	299	105	91	1.71
ROME	*	66	25	18	47	55	63	68	77	86	102	118	142	213	85	75	1.66
ROSSVILLE	*	66	24	55	60	84	95	108	121	135	164	194	229	228	132	121	1.53
SAVANNAH	*	66	26	39	58	63	70	75	80	108	118	210	248	329	139	106	1.87
VALDOSTA	*	66	26	14	58	65	79	84	91	97	102	108	127	137	91	85	1.37
HAWAII HONOLULU		66	26	22	25	26	27	28	31	35	40	44	47	74	38	33	1.39
IDAHO BOISE		66	25	32	67	71	77	83	91	98	103	108	150	156	93	88	1.41
ILLINOIS CHICAGO		66	26	56	71	79	88	91	104	121	150	171	194	273	126	116	1.52
EAST ST LOUIS	*	66	20	78	127	142	157	171	184	197	210	266	283	323	198	187	1.44
MOLINE	*	66	25	40	91	98	108	114	124	131	142	150	210	263	132	122	1.53
ROCKFORD	*	66	25	37	47	51	58	65	83	91	100	105	139	174	83	78	1.53
SPRINGFIELD	*	66	25	45	59	68	77	83	91	97	105	114	139	173	93	88	1.40
INDIANA EAST CHICAGO		66	26	90	102	118	150	164	183	199	210	248	279	317	186	176	1.43
HAMMOND		66	24	55	65	94	101	112	119	127	150	210	271	272	143	129	1.60
INDIANAPOLIS		66	25	82	108	114	124	130	140	147	169	189	263	285	154	148	1.38
MUNCIE		66	24	43	60	70	75	82	86	91	104	133	150	164	98	92	1.44
NEW ALBANY		66	24	9	33	82	91	127	132	137	145	150	210	340	129	109	2.08
SOUTH BEND		66	24	31	55	65	82	95	104	127	144	168	210	289	128	106	1.69
IOWA DAVENPORT		66	25	32	55	69	91	100	113	124	159	178	202	238	121	109	1.58
DES MOINES		66	25	36	80	85	95	104	130	138	144	150	178	262	123	116	1.51
DUBUQUE		66	26	48	73	91	101	108	127	150	161	178	194	228	132	123	1.40
KANSAS KANSAS CITY		66	23	45	49	55	62	69	84	95	104	118	139	148	90	83	1.47
WICHITA		66	25	24	57	61	68	74	86	94	105	127	150	221	94	85	1.58
KENTUCKY ASHLAND		66	25	44	83	88	100	108	127	150	194	229	379	428	167	142	1.77
COVINGTON		66	26	48	65	77	85	91	104	118	127	144	184	231	112	105	1.44
LOUISVILLE		66	25	27	82	91	114	127	141	150	171	189	248	332	148	132	1.67
LOUISIANA NEW ORLEANS		66	26	45	52	60	68	71	76	83	88	102	127	401	85	82	1.56
MARYLAND BALTIMORE		66	26	70	89	95	108	116	127	141	150	171	283	288	156	133	1.55

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MASSACHUSETTS BROCKTON	66	26	34	38	44	50	53	67	73	81	91	108	309	77	67	1.64
LAWRENCE	66	26	20	31	35	40	45	55	71	86	98	105	178	68	59	1.72
LOWELL	66	22	26	29	32	40	62	68	74	84	108	178	192	79	66	1.83
NEW BEDFORD	66	26	31	35	38	49	53	62	71	77	94	101	138	67	62	1.50
MICHIGAN DETROIT	66	26	45	65	76	123	140	162	179	189	203	275	323	161	143	1.70
LANSING	66	24	43	50	58	63	81	88	93	101	106	150	167	88	83	1.42
MINNESOTA DULUTH	66	26	19	28	37	45	50	63	94	101	114	127	234	82	67	1.93
MINNEAPOLIS	66	26	20	47	65	70	74	82	93	104	118	127	129	87	80	1.56
MOORHEAD	66	26	16	33	40	44	47	53	58	61	65	77	95	53	50	1.47
ST PAUL	66	25	43	65	73	82	86	94	100	108	121	164	205	101	95	1.42
MISSISSIPPI JACKSON	66	26	20	47	50	55	58	62	67	72	82	91	113	65	62	1.42
MISSOURI KANSAS CITY	66	24	66	71	81	85	102	114	127	137	143	164	196	116	111	1.36
ST LOUIS	66	24	51	91	101	108	119	127	150	167	178	229	255	143	139	1.45
MONTANA HELENA	66	26	17	20	28	35	40	50	55	60	71	84	122	53	47	1.68
NEBRASKA OMAHA	66	25	59	91	96	103	108	119	127	134	146	178	225	125	120	1.34
NEVADA LAS VEGAS	66	26	60	66	74	84	91	97	104	108	122	135	158	99	96	1.30
NEW HAMPSHIRE CONCORD	66	26	13	18	19	24	30	32	38	44	55	73	92	40	35	1.72
NEW JERSEY CAMDEN	66	25	78	100	116	130	137	147	154	164	171	210	267	148	143	1.31
GLASSBORO	66	26	17	31	44	52	57	63	70	75	84	91	173	65	58	1.59
JERSEY CITY	66	25	60	62	82	91	102	134	159	178	210	248	338	146	129	1.63
HAMILTON	66	26	29	59	68	77	91	100	108	114	124	139	194	98	91	1.53
NEWARK	66	25	48	58	63	69	73	82	91	108	139	169	179	96	88	1.50
PERTH AMBOY	66	24	29	58	65	84	114	121	127	150	169	199	255	123	110	1.63
TRENTON	66	22	31	40	60	71	77	88	97	108	142	166	220	97	87	1.61
NEW MEXICO ALBUQUERQUE	66	25	36	67	72	81	88	100	106	139	164	248	302	120	106	1.64
NEW YORK AKRON	66	52	6	39	50	62	82	97	106	127	150	187	342	106	86	2.02
ALBANY	66	32	30	37	45	58	77	84	91	116	133	166	234	95	82	1.75
BABYLON	66	60	40	58	63	69	76	91	100	111	127	166	238	97	90	1.51
BINGHAMTON	66	61	20	33	38	43	48	55	64	71	82	102	177	61	55	1.57
BUFFALO	66	313	26	57	73	85	97	111	136	152	187	238	1321	136	117	1.78

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station		Years	Number of Samples	Micrograms Per Cubic Meter														Std Geo Dev
				Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
					10	20	30	40	50	60	70	80	90				
NEW YORK (Continued)																	
CHEEKTOWAGA N W	*	66	54	18	33	55	77	98	118	135	150	186	233	450	126	102	1.99
CLARKSTOWN	*	66	51	21	33	48	53	61	71	79	88	98	114	341	[illegible]	68	1.64
DUANESBURG	*	66	55	10	17	24	31	37	45	49	53	65	86	159	47	40	1.80
EAST GREENBUSH	*	66	59	39	59	70	88	100	111	119	129	141	178	238	112	109	1.51
ELLENVILLE	*	66	45	17	55	67	77	88	121	137	159	199	321	967	105	116	2.25
ELMIRA	*	66	49	31	40	48	55	67	77	83	91	102	118	155	78	72	1.48
GRAFTON	*	66	52	9	14	17	25	28	32	38	44	50	57	94	35	31	1.69
GRAND ISLAND	*	66	48	24	51	71	82	94	111	127	150	172	225	404	127	107	1.82
HOLLAND	*	66	49	13	20	26	34	36	39	44	50	55	68	111	43	39	1.60
HORSEHEADS	*	66	43	29	47	61	68	74	85	97	108	123	145	272	94	86	1.55
HUDSON	*	66	58	34	50	58	67	79	91	108	127	159	204	465	110	98	1.80
ISLIP	*	66	57	25	33	41	46	56	61	66	74	88	113	202	68	61	1.58
KINGSTON	*	66	48	43	63	79	85	100	121	135	147	161	178	214	121	112	1.50
LACKAWANNA	*	66	57	63	91	118	164	189	210	237	268	347	399	578	233	202	1.73
LA GRANGE	*	66	52	20	25	31	36	42	50	54	65	77	102	141	56	50	1.64
LOCKPORT	*	66	60	19	27	38	50	57	64	71	79	96	127	155	70	62	1.68
MASSENA	*	66	57	15	19	29	32	37	42	46	52	58	65	86	43	39	1.54
MT VERNON	*	66	60	34	44	52	59	67	76	91	112	123	140	214	89	80	1.57
NEW PALTZ	*	66	54	28	35	46	50	55	63	73	86	98	121	296	75	67	1.61
NEW ROCHELLE	*	66	58	40	58	65	73	82	91	100	113	136	164	260	103	95	1.49
NEW YORK CITY		66	24	68	73	86	95	108	118	127	150	189	220	252	136	124	1.49
NISKAYUNA	*	66	56	14	22	31	39	44	53	60	64	74	97	130	56	49	1.70
OSSINING	*	66	56	24	40	45	52	58	65	74	93	103	118	174	76	67	1.58
PHILMONT	*	66	59	24	27	32	37	42	46	53	63	77	91	211	56	50	1.59
POUGHKEEPSIE	*	66	58	20	34	43	52	63	72	80	99	106	124	335	83	71	1.75
ROCHESTER	*	66	57	46	65	74	83	92	99	105	116	133	147	244	106	99	1.44
SAUGERTIES	*	66	48	24	49	60	84	98	111	124	142	156	172	314	118	103	1.71
SCHENECTADY	*	66	56	38	47	54	70	77	84	91	103	123	150	269	96	87	1.58
SLOAN	*	66	55	26	63	80	100	113	124	144	178	194	220	288	134	120	1.65
SMITHTOWN	*	66	61	21	34	40	49	53	60	67	79	88	116	185	69	62	1.60
SOMERS	*	66	53	15	20	28	35	41	49	58	69	75	86	126	53	47	1.70
SOUTHAMPTON	*	66	61	19	24	30	35	38	43	50	54	61	84	168	50	45	1.57
SOUTHOLD	*	66	59	14	24	27	31	35	39	42	46	55	65	119	43	40	1.53
SYRACUSE	*	66	55	33	55	71	102	123	143	162	199	232	296	495	161	136	1.87
TONAWANDA	*	66	53	39	65	88	105	116	135	161	178	201	235	405	146	130	1.64

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
NEW YORK (Continued)																
TROY *	66	53	23	38	44	47	58	65	70	74	82	102	133	67	62	1.46
UTICA *	66	56	29	56	64	73	84	95	108	130	150	184	220	109	98	1.58
WHITE PLAINS *	66	55	28	44	55	63	70	82	93	108	127	159	295	94	83	1.64
YONKERS *	66	51	54	71	93	102	116	139	164	197	224	248	280	152	137	1.60
NORTH CAROLINA																
CHARLOTTE	66	26	50	65	73	82	86	100	127	150	171	194	353	126	112	1.62
NORTH DAKOTA																
BISMARCK *	66	27	20	28	35	40	60	77	84	97	114	127	156	75	64	1.82
FARGO *	66	26	12	28	33	44	47	53	68	74	97	108	137	64	55	1.77
OHIO																
AKRON	66	25	36	55	81	91	114	132	141	164	186	210	287	136	118	1.71
CANTON *	66	26	79	83	87	95	104	121	156	167	186	202	340	140	129	1.50
CINCINNATI	66	25	56	77	91	108	127	141	150	178	199	271	399	156	138	1.60
CLEVELAND	66	26	43	50	55	84	91	114	124	135	157	171	227	116	104	1.61
COLUMBUS	66	25	43	60	77	100	108	122	132	145	164	199	253	126	114	1.55
DAYTON	66	26	42	55	65	96	101	108	139	178	202	248	406	143	122	1.78
EAST LIVERPOOL *	66	24	72	77	100	116	139	156	167	223	248	294	628	179	158	1.68
FRANKLIN *	66	26	25	60	71	84	91	104	116	123	142	164	268	110	100	1.60
GREENVILLE *	66	26	32	60	68	77	83	91	108	118	139	178	234	106	96	1.56
HAMILTON *	66	25	39	62	77	94	101	113	122	142	159	210	289	122	110	1.60
LORAIN *	66	26	29	42	47	55	69	81	91	100	113	122	133	80	74	1.53
MARYSVILLE *	66	25	29	55	67	75	82	100	118	136	145	169	194	101	92	1.62
NAPOLEON *	66	22	53	60	77	98	105	114	127	135	146	178	190	115	109	1.42
NEWARK *	66	24	75	84	108	121	142	159	178	192	201	223	268	156	147	1.43
PAINESVILLE *	66	26	51	55	62	82	91	113	122	127	144	157	175	106	99	1.47
PORTSMOUTH *	66	23	6	65	91	108	118	132	141	150	194	294	376	152	124	2.23
ST CLAIRSVILLE *	66	25	51	55	62	80	85	95	104	121	139	169	190	103	95	1.49
STEUBENVILLE *	66	25	68	77	127	161	172	229	263	363	394	485	602	294	213	1.88
TOLEDO	66	26	36	47	52	71	79	86	94	101	118	139	263	92	84	1.57
WARREN *	66	24	26	40	60	71	91	102	127	150	178	268	209	125	106	1.90
WOOSTER *	66	26	49	55	58	69	77	97	114	127	150	169	251	106	96	1.51
YOUNGSTOWN	66	26	47	55	98	108	118	133	150	164	194	248	406	152	135	1.6
OKLAHOMA																
OKLAHOMA CITY	66	26	49	65	71	78	81	85	90	95	108	150	510	107	93	1.5
TULSA	66	25	35	40	43	47	52	62	67	73	77	108	217	70	63	1.5
OREGON																
PORTLAND	66	22	25	35	40	52	60	68	74	84	108	121	174	75	66	1.

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station		Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
				Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
					10	20	30	40	50	60	70	80	90				
PENNSYLVANIA LANCASTER		66	26	34	55	81	91	108	130	139	144	156	167	298	122	112	1,58
NESHAMINY		66	25	33	40	49	55	71	84	91	108	121	178	211	90	79	1,69
PHILADELPHIA		66	24	92	108	118	124	136	145	156	172	194	248	261	154	148	1,33
PITTSBURGH		66	26	80	84	89	108	118	131	146	150	210	248	309	151	140	1,50
READING		66	25	24	50	55	73	84	108	121	150	210	294	446	137	107	2,04
PUERTO RICO BAYAMON		66	26	43	51	58	67	72	108	150	164	194	248	293	128	107	1,85
GUAYANILLA		66	25	18	24	25	27	28	31	33	37	40	60	108	36	33	1,46
PONCE		66	26	47	60	77	85	91	113	127	150	210	248	286	134	117	1,69
SAN JUAN		66	25	41	51	55	60	63	73	84	100	108	127	169	82	77	1,46
RHODE ISLAND PROVIDENCE	*	66	24	59	69	81	88	102	113	124	142	164	199	268	121	113	1,48
SOUTH CAROLINA COLUMBIA		66	23	33	37	47	52	60	71	77	91	102	139	142	77	70	1,55
GREENVILLE		66	26	31	55	60	67	72	84	102	112	123	150	242	95	86	1,58
SOUTH DAKOTA SIOUX FALLS		66	26	27	35	40	47	55	61	67	72	81	88	96	61	57	1,40
TENNESSEE CHATTANOOGA		66	23	80	84	100	111	116	124	133	144	159	210	347	140	131	1,44
MEMPHIS		66	26	40	60	67	73	77	97	118	133	150	178	281	115	102	1,62
NASHVILLE		66	24	31	47	71	84	98	105	114	135	150	210	271	115	103	1,65
TEXAS AUSTIN	*	66	26	37	65	68	72	74	81	91	102	116	123	394	97	86	1,58
CLUTE	*	66	28	24	42	55	62	77	81	85	90	94	102	542	91	76	1,70
CORPUS CHRISTI	*	66	26	43	51	58	65	71	81	91	102	127	142	361	99	87	1,62
DALLAS		66	24	42	47	63	67	75	91	97	105	118	150	390	101	89	1,59
EL PASO	*	66	22	79	108	118	135	150	161	172	223	294	347	444	193	174	1,58
FT WORTH	*	66	26	54	58	65	74	81	91	104	114	135	150	915	133	103	1,79
GALVESTON	*	66	24	25	27	35	40	44	47	55	71	84	229	473	84	60	2,07
HARLINGEN	*	66	24	30	33	40	55	63	67	76	82	91	118	275	75	66	1,65
HOUSTON		66	26	49	60	67	72	75	84	95	104	121	150	295	102	92	1,54
LUBBOCK	*	66	26	33	65	68	74	77	100	114	127	144	164	215	106	97	1,50
MC ALLEN	*	66	26	38	45	55	59	62	69	82	91	118	127	315	89	78	1,61
ODESSA	*	66	24	25	28	58	65	82	91	102	121	139	178	319	104	88	1,83
ORANGE	*	66	23	26	47	53	57	61	68	79	79	84	91	685	95	72	1,77
PORT ARTHUR	*	66	22	30	37	42	47	52	60	68	74	91	108	631	89	66	1,87
SAN ANTONIO		66	25	30	44	47	58	62	68	74	82	86	118	146	73	68	1,43
TEXARKANA	*	66	24	8	24	37	40	47	55	58	63	69	108	277	62	51	1,88
TEXAS CITY	*	66	25	17	26	31	41	44	49	52	58	65	84	466	65	49	1,87

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
TEXAS																
TYLER *	66	26	20	38	42	47	50	54	60	65	72	77	361	68	57	1.67
WACO *	66	26	47	51	55	59	62	77	85	91	104	139	393	92	81	1.59
WICHITA FALLS *	66	27	41	58	65	72	80	88	97	114	135	150	554	117	98	1.71
UTAH																
OGDEN	66	24	16	24	40	44	50	55	69	84	108	139	168	71	61	1.78
SALT LAKE CITY	66	24	42	50	58	65	72	77	80	118	127	159	172	93	86	1.51
VERMONT																
BURLINGTON	66	25	28	37	40	55	62	71	77	88	97	139	207	77	69	1.60
VIRGINIA																
DANVILLE	66	24	28	33	58	65	74	82	91	104	114	139	162	86	79	1.58
NORFOLK	66	26	38	47	57	62	65	72	84	95	108	118	157	79	75	1.43
WASHINGTON																
EVERETT *	66	92	36	48	58	67	73	84	98	109	122	141	208	91	85	1.48
SEATTLE	66	26	47	59	58	63	66	70	73	76	84	91	181	76	72	1.33
TACOMA *	66	105	23	40	49	54	66	75	87	105	127	175	284	93	80	1.73
VANCOUVER *	66	98	28	40	48	54	62	70	78	89	102	132	223	79	71	1.57
WEST VIRGINIA																
CHARLESTON	66	22	55	55	77	112	119	127	210	279	379	485	689	226	174	2.13
HUNTINGTON *	66	24	57	81	91	102	118	127	164	186	202	248	291	149	137	1.52
PARKERSBURG *	66	26	36	60	65	91	100	118	139	150	167	178	302	124	112	1.61
WHEELING *	66	25	39	77	98	108	121	142	155	169	178	210	274	143	132	1.54
WISCONSIN																
EAU CLAIRE *	66	26	34	40	43	47	55	67	75	82	95	104	172	70	65	1.49
KENOSHA *	66	26	19	37	47	60	67	75	84	91	114	127	197	82	72	1.74
MADISON *	66	24	27	28	44	55	65	70	75	86	97	127	152	73	66	1.62
MILWAUKEE	66	26	44	65	77	91	102	121	150	169	210	248	391	150	129	1.74
RACINE *	66	25	22	52	60	70	75	91	97	105	127	150	153	91	84	1.54
SUPERIOR *	66	23	32	40	62	69	77	82	88	89	108	142	172	87	80	1.50
WYOMING																
CHEYENNE	66	26	14	19	21	26	29	33	36	38	50	55	379	48	35	1.92

Table 8. SUSPENDED PARTICULATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	66	25	3	11	12	24	27	31	37	44	47	55	98	33	27	2.17
ARKANSAS MONTGOMERY CO	66	25	11	17	22	29	32	37	40	55	62	77	246	50	38	1.98
CALIFORNIA HUMBOLDT COUNTY	66	24	16	18	21	23	27	30	33	44	55	91	158	43	35	1.82
COLORADO MONTEZUMA COUNTY	66	26	3	5	8	10	11	16	18	20	28	33	75	19	16	2.17
DELAWARE KENT COUNTY	66	25	25	35	43	47	55	63	68	77	91	104	116	64	59	1.52
INDIANA MONROE COUNTY	66	22	27	27	40	43	45	47	49	51	56	65	83	48	46	1.32
PARKE COUNTY	66	25	19	24	29	31	33	36	38	42	47	77	171	46	40	1.62
IOWA DELAWARE COUNTY	66	23	14	17	19	25	28	33	38	50	55	77	110	40	35	1.73
MAINE ACADIA NAT PARK	66	24	9	11	13	15	20	24	26	28	35	40	57	25	22	1.64
MARYLAND CALVERT COUNTY	66	25	20	23	28	34	36	39	41	46	50	60	72	40	38	1.38
MISSISSIPPI JACKSON COUNTY	66	26	12	16	20	24	26	28	34	37	42	45	213	37	31	1.73
MISSOURI SHANNON COUNTY	66	24	13	16	20	23	28	30	34	38	42	55	62	32	30	1.52
MONTANA GLACIER NAT PARK	66	24	3	4	5	6	9	11	12	21	24	33	54	16	12	2.25
NEBRASKA THOMAS COUNTY	66	26	6	8	10	18	20	23	33	37	42	47	66	27	22	1.99
NEVADA WHITE PINE CO	66	23		1	3	4	5	10	11	12	14	16	28	9	6	2.86
NEW HAMPSHIRE COOS COUNTY	66	25	5	11	14	16	18	19	24	31	49	55	81	28	23	1.94
NEW MEXICO RIO ARRIBA COUNTY	66	24	10	10	15	16	20	23	25	31	40	47	54	26	23	1.67
NEW YORK CAPE VINCENT	66	26	8	9	10	12	19	28	33	40	47	52	88	31	25	2.06
NORTH CAROLINA CAPE HATTERAS	66	23	19	28	36	39	44	63	77	100	111	121	122	68	59	1.76
NORTH DAKOTA WARD COUNTY	66	26	4	11	14	22	24	35	40	45	77	102	141	45	32	2.39
OKLAHOMA CHEROKEE COUNTY	66	26	25	30	33	36	37	40	44	47	58	65	287	53	45	1.62
OREGON CURRY COUNTY	66	24	38	44	50	55	62	71	84	102	112	125	133	79	73	1.49
PENNSYLVANIA CLARION COUNTY	66	24	17	22	25	27	31	37	46	50	55	65	97	41	37	1.56

Table 8 (continued). SUSPENDED PARTICULATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
RHODE ISLAND WASHINGTON CO	66	25	17	19	25	27	33	37	40	52	71	91	116	46	40	1.75
SOUTH CAROLINA RICHLAND COUNTY	66	26	13	20	25	28	30	35	42	45	50	53	80	38	35	1.55
SOUTH DAKOTA BLACK HILLS	65	25	1	5	7	9	11	12	20	25	40	45	48	20	14	2.64
TEXAS MATAGORDA COUNTY	66	24	15	17	19	21	24	27	29	32	37	47	280	38	29	1.79
VERMONT ORANGE COUNTY	66	26	20	26	29	33	35	37	40	47	53	65	117	45	41	1.54
VIRGINIA SHENANDOAH PARK	66	25	8	16	17	24	29	31	33	44	50	60	75	34	30	1.68
WYOMING YELLOWSTONE PARK	66	25	1	2	3	4	7	9	10	17	20	26	30	11	8	2.74

Table 9. SUSPENDED PARTICULATES, ADDITIONAL SITE AND NONQUALIFYING STATION AVERAGES AND EXTREMES

Station Location	Years	No. of Samples	µg/m³		
			Minimum	Maximum	Average
ARKANSAS					
TEXARKANA	66	24	32	527	86
CALIFORNIA					
SAN JOSE *	66	25	20	194	92
REDDING *	66	19	8	149	72
SANTA BARBARA *	66	19	30	165	91
FLORIDA					
BELLE GLADE *	66	11	61	127	84
BOCA RATON *	66	31	23	103	52
DELRAY BEACH *	66	44	24	68	36
LAKE WORTH *	66	78	11	97	37
PAHOKEE *	66	13	34	128	71
RIVIERA BEACH *	66	141	22	184	47
ROYAL PALM BEACH *	66	53	15	32	22
WEST PALM BEACH *	66	69	11	95	39
ILLINOIS					
ARGO *	66	137	40	369	165
BLUE ISLAND *	66	136	21	325	121
CALUMET CITY *	66	138	28	457	109
CHICAGO HEIGHTS *	66	128	15	434	113
CICERO *	66	135	14	378	158
FLOSSMOOR *	66	129	17	302	100
FRANKLIN PARK *	66	134	24	320	110
HARVEY *	66	131	25	326	123
HILLSIDE *	66	138	18	242	103
MIDLOTHIAN *	66	138	22	291	103
NILES *	66	131	20	461	100
ORLAND PARK *	66	139	17	251	98
PALATINE *	66	135	11	294	79
RIVER FOREST *	66	135	26	360	98
WILMETTE *	66	129	14	232	81
INDIANA					
TERRE HAUTE	66	21	48	254	165
MAINE					
PORTLAND	66	19	20	176	66
MASSACHUSETTS					
SPRINGFIELD					
(SITE 1)	66	138	24	160	69
(SITE 2)	66	109	46	453	148
NEW YORK					
ALBANY *	66	28	56	317	147
BIG FLATS *	66	38	23	126	58
BINGHAMTON *	66	33	27	319	78
COHOES *	66	19	33	235	88
COLESVILLE *	66	35	5	111	51
COLONIE					
(SITE 1) *	66	12	25	186	96
(SITE 2) *	66	20	20	164	60
ENDICOTT					
(SITE 1) *	66	34	3	252	63
(SITE 2) *	66	36	27	366	107
IRONDEQUOIT *	66	39	19	160	76
ISLIP *	66	45	29	202	72
JOHNSON CITY *	66	16	37	145	85
NIAGARA FALLS *	66	33	53	442	140
RIGA *	66	39	17	111	53
ROCHESTER					
(SITE 1) *	66	38	32	228	90
(SITE 2) *	66	31	30	181	97
WEBSTER *	66	36	13	111	49
YONKERS *	66	12	38	148	86
NORTH CAROLINA					
DURHAM COUNTY *					
(CENTER CITY)	66	27	107	171	139
(INDUSTRIAL) *	66	27	115	197	145
(RESIDENTIAL) *	66	22	95	141	123
(RURAL) *	66	27	80	137	114
PENNSYLVANIA					
WEST CHESTER	66	20	29	100	60
SOUTH CAROLINA					
ANDERSON *	66	11	32	204	99
CHAPIN *	66	21	16	90	48
LANCASTER *	66	11	49	170	91
ROCK HILL *	66	34	25	164	72
SPARTANBURG *	66	19	30	169	76
TEXAS					
PASADENA *	66	10	36	163	72
WISCONSIN					
DOOR CO (NONURBAN)	66	19	6	77	22
WYOMING					
CASPER	66	6	18	32	26

Table 10. BENZENE-SOLUBLE ORGANICS, STATE AND NATIONAL URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA	66	7.1	7.5	13.2	15.9	10.9
ALASKA	66	17.4	2.0	5.0	3.6	7.0
ARIZONA	66	8.1	3.1	3.7	9.5	6.1
ARKANSAS	66	5.0	6.2	7.2	8.9	6.8
CALIFORNIA	66	15.9	6.1	8.7	12.9	10.9
COLORADO	66	11.9	5.7	7.5	14.7	10.0
CONNECTICUT	66	8.3	5.2	5.2	9.4	7.0
DELAWARE	66	8.6	5.4	5.6	8.1	6.9
DIST. OF COL.	66	8.3	2.6	3.5	9.5	6.0
GEORGIA	66	9.0	6.3	6.3	8.0	7.4
HAWAII	66	3.9	2.4	2.2	2.6	2.8
IDAHO	66	6.8	5.1	7.0	9.3	7.1
ILLINOIS	66	10.2	4.6	7.8	6.7	7.3
INDIANA	66	9.3	7.6	8.2	8.7	8.4
IOWA	66	8.4	4.8	7.2	7.2	6.9
KANSAS	66	4.7	2.1	4.3	6.6	4.4
KENTUCKY	66	9.6	6.4	7.3	10.4	8.5
LOUISIANA	66	8.9	5.2	5.7	8.9	7.2
MAINE	66		2.8	3.5		
MARYLAND	66	7.6	4.0	9.6	15.7	9.2
MICHIGAN	66	9.2	3.7	8.5	8.2	7.4
MINNESOTA	66	6.4	3.3	4.9	5.5	5.0
MISSISSIPPI	66	5.0	3.9	2.7	9.6	5.3
MISSOURI	66	9.5	5.6	4.9	6.7	5.7

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
MONTANA	66	4.2	3.6	1.2	3.8	3.2
NEBRASKA	66	5.9	5.1	5.4	8.4	6.7
NEVADA	66	7.8	7.5	5.5	9.0	7.6
NEW HAMPSHIRE	66	2.9	3.0	2.4	2.1	2.6
NEW JERSEY	66	8.3	4.8	5.8	9.8	7.2
NEW MEXICO	66	8.6	3.9	2.8	15.5	7.7
NEW YORK	66	14.0	8.4	7.5	11.4	10.3
NORTH CAROLINA	66	15.0	6.5	6.7	18.5	11.2
OHIO	66	7.8	5.6	6.6	8.4	7.1
OKLAHOMA	66	7.1	2.5	2.4	5.3	4.5
OREGON	66	8.1	2.7	4.1	9.5	6.1
PENNSYLVANIA	66	8.3	3.1	4.8	10.7	6.7
PUERTO RICO	66	4.4	1.9	1.2	4.3	2.9
RHODE ISLAND	66	16.5	3.6	4.6	14.9	9.9
SOUTH CAROLINA	66	10.5	4.9	4.1	12.3	7.9
SOUTH DAKOTA	66	3.4	0.6	1.7	2.4	2.1
TENNESSEE	66	9.2	5.5	3.6	15.8	8.4
TEXAS	66	6.0	3.5	3.4	8.7	5.4
UTAH	66	4.1	1.2	1.0	5.5	2.9
VERMONT	66	4.4	1.3	1.7	3.4	2.8
VIRGINIA	66	8.4	1.5	2.4	11.4	5.9
WASHINGTON	66	11.3	4.3	5.2	9.3	7.5
WEST VIRGINIA	66	10.0	2.1	3.9	6.2	5.5
WISCONSIN	66	7.5	2.9	5.4	7.4	5.9
WYOMING	66	2.7	0.6	1.2	3.4	2.0

Table 11. BENZENE-SOLUBLE ORGANICS, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	66	10.3	6.1	9.4	14.0	10.0
GADSDEN	66	5.5	4.3	5.1	8.2	5.8
MOBILE	66	5.6	12.1	25.1	25.6	17.1
ALASKA						
ANCHORAGE	66	17.4	2.0	5.0	3.6	7.0
ARIZONA						
PARADISE VALLEY	66	2.0	1.4	1.8	3.5	2.2
PHOENIX	66	16.4	4.9	6.5	19.6	11.9
TUCSON	66	6.0	2.9	2.8	5.3	4.3
ARKANSAS						
LITTLE ROCK	66	7.3	8.9	9.6	9.5	8.8
TEXARKANA	66	5.1	4.0	6.1		
WEST MEMPHIS	66	2.6	5.8	5.8	8.3	5.6
CALIFORNIA						
BURBANK	66	18.6	6.1	12.1	15.1	13.0
LOS ANGELES	66	26.0	7.6	12.0	15.0	15.2
OAKLAND	66	11.5	5.6	4.7	11.2	8.3
PASADENA	66	19.4	10.2	16.4	17.8	16.0
SAN DIEGO	66	12.0	3.3	2.8	10.2	7.1
SAN FRANCISCO	66	7.8	3.8	4.0	8.2	6.0
COLORADO						
DENVER	66	11.9	5.7	7.5	14.7	10.0
CONNECTICUT						
HARTFORD	66	7.7	5.0	3.9	9.0	6.4
NEW HAVEN	66	8.8	5.4	6.5	9.8	7.6
DELAWARE						
NEWARK	66	6.4	3.7	4.4	5.0	4.9
WILMINGTON	66	10.8	7.0	6.8	11.1	8.9
DIST. OF COL.						
WASHINGTON	66	8.3	2.6	3.5	9.5	6.0
GEORGIA						
ATLANTA	66	9.0	6.3	6.3	8.0	7.4
HAWAII						
HONOLULU	66	3.9	2.4	2.2	2.6	2.8
IDAHO						
BOISE	66	6.8	5.1	7.0	9.3	7.1
ILLINOIS						
CHICAGO	66	10.2	4.6	7.8	6.7	7.3
INDIANA						
EAST CHICAGO	66	9.1	5.1	7.3	6.7	7.0
HAMMOND	66	9.3	10.6	6.5	4.7	7.8
INDIANA (Continued)						
INDIANAPOLIS	66	13.4	11.5	10.7	15.[illegible]	12.7
MUNCIE	66	6.2	5.2	7.1	8.5	6.8
NEW ALBANY	66	3.0	4.6	4.9	11.8	6.1
SOUTH BEND	66	5.4	5.7	8.3	5.1	6.1
TERRE HAUTE	66	18.5	10.3	13.2		
IOWA						
DAVENPORT	66	7.9	5.0	8.5	5.5	6.7
DES MOINES	66	8.4	5.5	7.7	8.7	7.6
DUBUQUE	66	8.9	4.0	5.7	7.5	6.5
KANSAS						
KANSAS CITY	66	5.5	3.0	6.1	5.7	5.1
WICHITA	66	3.9	1.2	2.5	7.5	3.8
KENTUCKY						
ASHLAND	66	11.6	9.6	7.7	13.8	10.7
COVINGTON	66	9.4	4.8	7.1	9.0	7.6
LOUISVILLE	66	7.9	4.7	7.5	8.3	7.1
LOUISIANA						
NEW ORLEANS	66	8.9	5.2	5.7	8.9	7.2
MAINE						
PORTLAND	66		2.8	3.5		
MARYLAND						
BALTIMORE	66	7.6	4.0	9.6	15.7	9.2
MICHIGAN						
DETROIT	66	9.2	3.7	8.5	8.2	7.4
MINNESOTA						
DULUTH	66	6.3	1.7	4.8	4.0	4.2
MINNEAPOLIS	66	5.6	4.5	4.9	5.0	5.0
MOORHEAD	66	5.9	1.2	3.1	2.9	3.3
ST PAUL	66	7.7	5.9	6.7	10.2	7.6
MISSISSIPPI						
JACKSON	66	5.0	3.9	2.7	9.6	5.3
MISSOURI						
KANSAS CITY	66	8.7	4.6	4.2	5.2	5.7
ST LOUIS	66	10.3	7.0	5.6	8.2	7.8
MONTANA						
HELENA	66	4.2	3.6	1.2	3.8	3.2
NEBRASKA						
OMAHA	66	5.9	5.1	5.4	8.4	6.2
NEVADA						
LAS VEGAS	66	7.8	7.5	5.5	9.4	7.6
NEW HAMPSHIRE						
CONCORD	66	2.9	3.0	2.4	2.1	2.6

Table 11 (continued). BENZENE-SOLUBLE ORGANICS, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW JERSEY CAMDEN	66	11.0	5.8	7.6	14.2	9.7
GLASSBORO	66	4.1	2.6	2.3	3.8	3.2
JERSEY CITY	66	12.2	5.8	9.6	15.4	10.8
MARLTON	66	6.9	5.1	7.3	6.4	6.4
NEWARK	66	7.9	5.0	4.3	9.7	6.9
PERTH AMBOY	66	8.6	5.6	5.9	10.2	7.6
TRENTON	66	7.4	3.1	3.3	8.8	5.7
NEW MEXICO ALBUQUERQUE	66	8.6	3.9	2.8	15.5	7.7
NEW YORK NEW YORK	66	14.0	8.4	7.5	11.4	10.3
NORTH CAROLINA CHARLOTTE	66	15.0	6.5	4.7	18.5	11.2
OHIO AKRON	66	6.6	8.0	7.2	9.7	7.9
CINCINNATI	66	8.0	7.2	7.1	9.4	7.9
CLEVELAND	66	8.0	5.8	7.5	5.9	6.8
COLUMBUS	66	8.9	4.7	7.4	8.4	7.4
DAYTON	66	8.1	4.9	6.3	8.9	7.1
TOLEDO	66	5.3	3.2	3.8	4.8	4.3
YOUNGSTOWN	66	10.0	5.2	7.0	11.7	8.5
OKLAHOMA OKLAHOMA CITY	66	9.4	3.7	3.2	7.7	6.0
TULSA	66	4.7	1.2	1.5	3.9	2.8
OREGON PORTLAND	66	8.1	2.7	4.1	9.5	6.1
PENNSYLVANIA LANCASTER	66	10.8	4.2	8.3	14.1	9.4
PHILADELPHIA	66	11.0	5.3	5.8	10.3	8.1
PITTSBURGH	66	7.8	4.8	6.1	9.7	7.1
READING	66	10.7	1.5	2.6	15.1	7.5
WARMINSTER	66	5.8	1.4	1.3	4.2	3.2
WEST CHESTER	66	3.7	1.6			
PUERTO RICO BAYAMON	66	4.4	1.8	.8	3.6	2.7
GUAYANILLA	66	1.6	.5	.3	2.5	1.2
PONCE	66	5.2	.9	2.0	5.4	3.4
SAN JUAN	66	6.4	4.4	1.8	4.3	4.2
RHODE ISLAND PROVIDENCE	66	16.5	3.6	4.6	14.9	9.9
SOUTH CAROLINA COLUMBIA	66	9.0	3.1	2.4		
GREENVILLE	66	11.9	6.7	5.7	12.3	9.2
SOUTH DAKOTA SIOUX FALLS	66	3.4	.6	1.7	2.6	2.1
TENNESSEE CHATTANOOGA	66	11.1	4.8	2.4	21.4	9.9
MEMPHIS	66	7.5	5.8	4.3	11.7	7.3
NASHVILLE	66	8.9	5.9	4.1	12.8	7.9
TEXAS DALLAS	66	7.2	5.4	4.8	14.5	8.0
HOUSTON	66	5.6	3.2	3.2	6.3	[illegible]
PASADENA	66				6.5	
SAN ANTONIO	66	5.2	1.9	2.2	7.5	4.2
UTAH OGDEN	66	4.9	.8	1.4	4.9	3.0
SALT LAKE CITY	66	3.2	1.6	.6	6.1	2.9
VERMONT BURLINGTON	66	4.4	1.3	1.7	3.6	2.8
VIRGINIA DANVILLE	66	9.5	1.6	1.9	13.1	6.5
NORFOLK	66	7.2	1.3	2.9	10.0	5.4
WASHINGTON SEATTLE	66	11.3	4.3	5.2	9.0	7.5
WEST VIRGINIA CHARLESTON	66	10.0	2.1	3.9	6.1	5.5
WISCONSIN MILWAUKEE	66	7.5	2.0	5.4	7.6	5.0
WYOMING CHEYENNE	66	2.7	.6	1.2	3.3	2.0

Table 12. BENZENE-SOLUBLE ORGANICS, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	66	1.8	3.5	3.2	3.5	3.0
ARKANSAS MONTGOMERY CO	66	3.0	3.3	2.1	4.2	3.2
CALIFORNIA HUMBOLDT CO	66	1.8	.7	2.2	5.7	2.5
COLORADO MONTEZUMA CO	66	.9	.7	1.0	2.0	1.2
DELAWARE KENT COUNTY	66	4.1	5.1	5.1	5.5	5.0
IDAHO BUTTE COUNTY	66	1.5	1.0	.9		
INDIANA MONROE ST FRST	66	4.4	5.1	3.7	3.1	4.1
PARKE COUNTY	66	2.1	2.6	2.4	2.7	2.5
IOWA DELAWARE CO	66	1.9	1.8		3.0	
MAINE ACADIA NAT PK	66	1.4	.4	2.7	1.4	1.5
MARYLAND CALVERT COUNTY	66	2.8	2.0	1.8	4.2	2.7
MISSISSIPPI JACKSON COUNTY	66	2.4	1.6	2.7	2.8	2.4
MISSOURI SHANNON COUNTY	66	1.5	.9	1.4	2.1	1.4
MONTANA GLACIER NAT PK	66	1.1	1.2	2.0	1.5	1.5
NEBRASKA THOMAS COUNTY	66	1.8	1.4	1.4	2.5	1.8
NEVADA WHITE PINE CO	66	.9	.8	.7	.9	.9
NEW HAMPSHIRE COOS COUNTY	66	1.9	1.9	2.5	2.6	2.0
NEW MEXICO RIO ARRIBA CO	66	1.1	1.1	.8	1.9	1.1
NEW YORK CAPE VINCENT	66	1.9	.9	.8	1.9	1.9
NORTH CAROLINA CAPE HATTERAS	66	1.4	.8	1.9	2.9	1.9
OKLAHOMA CHEROKEE CO	66	2.9	2.1	2.2	3.1	2.6
OREGON CURRY COUNTY	66	1.0	.9	1.1	2.9	1.9
PENNSYLVANIA CLARION COUNTY	66	4.1	1.2	2.0	2.7	2.5
RHODE ISLAND WASHINGTON CO	66	3.2	1.0	1.7	3.6	2.4
SOUTH CAROLINA RICHLAND CO	66	5.4	1.4	2.1	2.9	3.0
SOUTH DAKOTA BLACK HILLS	66	1.0	.9	1.7	1.2	1.2
TEXAS MATAGORDA CO	66	2.6	2.6	3.3	3.0	3.1
VERMONT ORANGE COUNTY	66	4.7	3.9	2.6	3.1	3.6
VIRGINIA SHENANDOAH PK	66	2.9	2.1	3.2	2.2	2.4
WISCONSIN DOOR COUNTY	66	1.7	2.7			
WYOMING YELLOWSTONE PK	66	1.1	.8	.6	.9	.7

Table 13. BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	66	16.30	16.30	5.36	36.00	18.49
GADSDEN	66	2.97	2.97	1.76	6.26	3.49
MOBILE	66	2.39	2.39	6.71	14.30	6.45
ALASKA						
ANCHORAGE	66	3.92	3.92	0.63	0.63	2.28
ARIZONA						
PARADISE VAL.	66	0.00	0.00	1.04	0.23	0.32
PHOENIX	66	1.35	1.35	2.66	1.40	1.69
TUCSON	66	0.50	0.50	0.41	0.95	0.59
ARKANSAS						
LITTLE ROCK	66	0.72	0.72	1.26	1.98	1.17
TEXARKANA	66	0.27	0.27	0.86		
WEST MEMPHIS	66	0.90	0.90	0.54	2.07	1.10
CALIFORNIA						
BURBANK	66	2.11	2.11	0.50	5.13	2.46
LOS ANGELES	66	2.40	2.40	0.86	2.57	2.06
OAKLAND	66	3.06	3.06	1.22	3.56	2.73
PASADENA	66	1.71	1.71	0.50	3.38	1.83
SAN DIEGO	66	1.17	1.17	0.41	4.10	1.71
SAN FRANCISCO	66	1.08	1.08	0.95	1.22	1.08
COLORADO						
DENVER	66	1.04	1.04	2.25	4.86	2.30
CONNECTICUT						
HARTFORD	66	2.48	2.48	1.35	2.70	2.25
NEW HAVEN	66	3.24	3.24	2.39	5.04	3.48
DELAWARE						
NEWARK	66	0.72	0.72	1.35	1.08	0.97
WILMINGTON	66	1.62	1.62	1.58	3.78	2.15
DIST. OF COL.						
WASHINGTON	66	0.90	0.90	0.68	6.93	2.35
GEORGIA						
ATLANTA	66	1.13	1.13	1.44	1.85	1.39
HAWAII						
HONOLULU	66	0.09	0.09	0.23	0.23	0.16
IDAHO						
BOISE	66	2.66	2.66	1.67	6.80	3.45
ILLINOIS						
CHICAGO	66	2.66	2.66	3.06	4.95	3.33
INDIANA						
EAST CHICAGO	66	7.52	7.52	7.07	5.00	6.78
HAMMOND	66	5.72	5.72	2.48	1.49	3.85
INDIANAPOLIS	66	11.00	11.00	7.07	12.40	10.37
MUNCIE	66	2.07	2.07	2.57	2.75	2.37
NEW ALBANY	66	2.93	2.93	0.99	14.70	5.39
SOUTH BEND	66	1.17	1.17	2.84	3.78	2.24
TERRE HAUTE	66	6.89	6.89	8.06		
IOWA						
DAVENPORT	66	5.09	5.09	1.58	0.95	3.18
DES MOINES	66	2.79	2.79	2.16	2.43	2.54
DUBUQUE	66	5.09	5.09	1.71	2.25	3.54
KANSAS						
KANSAS CITY	66	1.08	1.08	1.49	1.08	1.18
WICHITA	66	0.68	0.68	0.32	1.44	0.78
KENTUCKY						
ASHLAND	66	12.20	12.20	6.57	10.90	10.47
COVINGTON	66	2.88	2.88	2.25	4.32	3.08
LOUISVILLE	66	2.57	2.57	1.67	3.24	2.51
LOUISIANA						
NEW ORLEANS	66	2.03	2.03	1.58	3.47	2.28
MAINE						
PORTLAND	66	1.80	1.80	1.71	1.77	1.77
MARYLAND						
BALTIMORE	66	2.30	2.30	1.71	4.73	2.76
MICHIGAN						
DETROIT	66	4.59	4.59	2.70	7.02	4.73
MINNESOTA						
DULUTH	66	1.49	1.49	3.96	1.98	2.23
MINNEAPOLIS	66	1.08	1.08	0.99	3.42	1.64
MOORHEAD	66	0.45	0.45	0.63	1.40	0.73
ST. PAUL	66	1.76	1.76	1.26	2.45	1.80
MISSISSIPPI						
JACKSON	66	0.86	0.86	0.99	2.39	1.28
MISSOURI						
KANSAS CITY	66	2.34	2.34	1.22	1.08	1.75
ST. LOUIS	66	6.98	6.98	1.67	5.63	5.32

Table 14. BENZO(a)PYRENE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	66	0.28	0.28	0.36	0.22	0.29
ARKANSAS MONTGOMERY CO	66	0.36	0.36	0.12	0.42	0.32
CALIFORNIA HUMBOLDT CO	66	0.26	0.26	0.32	0.56	0.35
COLORADO MONTEZUMA CO	66	0.06	0.06	0.10	0.06	0.07
DELAWARE KENT CO	66	0.74	0.74	0.46	0.38	0.58
IDAHO BUTTE CO	66	0.10	0.10	0.10		
INDIANA MONROE ST FRST	66	0.44	0.44	0.48	0.50	0.47
PARKE CO	66	1.34	1.34	0.26	0.54	0.87
IOWA DELAWARE CO	66	0.74	0.74		0.18	
MAINE ACADIA NATL PK	66	0.12	0.12	0.40	0.08	0.18
MARYLAND CALVERT CO	66	1.00	1.00	0.24	0.22	0.62
MISSISSIPPI JACKSON CO	66	0.20	0.20	0.06	0.14	0.15
MISSOURI SHANNON CO	66	0.08	0.08	0.04	0.08	0.07
MONTANA GLACIER NATL PK	66	0.24	0.24	0.46	0.28	0.31
NEBRASKA THOMAS CO	66	0.12	0.12	0.08	0.26	0.15
NEVADA WHITE PINE CO	66	0.04	0.04	0.02	0.08	0.05
NEW HAMPSHIRE COOS CO	66	0.24	0.24	0.18	0.28	0.23
NEW MEXICO RIO ARRIBA CO	66	0.18	0.18	0.10	0.28	0.19
NEW YORK CAPE VINCENT	66	0.20	0.20	0.32	0.16	0.22
NORTH CAROLINA CAPE HATTERAS	66	0.16	0.16	0.18	0.38	0.22
OKLAHOMA CHEROKEE CO	66	0.24	0.24	0.08	0.22	0.20
OREGON CURRY CO	66	0.10	0.10	0.10	0.12	0.11
PENNSYLVANIA CLARION CO	66	1.70	1.70	0.66	1.72	1.45
RHODE ISLAND WASHINGTON CO	66	0.28	0.28	0.22	0.32	0.28
SOUTH CAROLINA RICHLAND CO	66	2.12	2.12	0.18	0.46	1.22
SOUTH DAKOTA BLACK HILLS FRST	66	0.12	0.12	0.16	0.18	0.15
TEXAS MATAGORA CO	66	0.28	0.28	0.26	0.44	0.32
VERMONT ORANGE CO	66	1.36	1.36	0.36	0.68	0.94
VIRGINIA SHENANDOAH PK	66	1.32	1.32	0.32	0.68	0.91
WISCONSIN DOOR CO	66	0.28	0.28			
WYOMING YELLOWSTONE PK	66	0.06	0.06	0.02	0.08	0.06

Table 13 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
MONTANA						
HELENA	66	2.34	2.34	0.18	0.77	1.41
NEBRASKA						
OMAHA	66	3.92	3.92	1.31	1.67	2.71
NEVADA						
LAS VEGAS	66	0.99	0.99	0.41	2.66	1.26
NEW HAMPSHIRE						
CONCORD	66	0.54	0.54	0.41	0.77	0.57
NEW JERSEY						
CAMDEN	66	2.70	2.70	2.07	4.41	2.97
GLASSBORO	66	0.81	0.81	0.18	1.13	0.73
JERSEY CITY	66	5.09	5.09	2.30	4.19	4.17
MARLTON	66	1.40	1.40	1.17	0.95	1.23
NEWARK	66	2.25	2.25	0.54	3.20	2.06
PERTH AMBOY	66	1.89	1.89	1.89	2.66	2.08
TRENTON	66	2.16	2.16	0.63	3.69	2.16
NEW MEXICO						
ALBUQUERQUE	66	2.30	2.30	0.36	3.11	2.02
NEW YORK						
NEW YORK CITY	66	4.91	4.91	1.58	5.00	4.10
NORTH CAROLINA						
CHARLOTTE	66	5.09	5.09	0.77	11.90	5.71
OHIO						
AKRON	66	4.68	4.68	1.53	5.45	4.09
CINCINNATI	66	4.32	4.32	1.13	4.41	3.55
CLEVELAND	66	3.56	3.56	2.07	3.38	3.14
COLUMBUS	66	4.05	4.05	1.62	1.94	2.92
DAYTON	66	2.75	2.75	2.03	3.29	2.71
TOLEDO	66	2.21	2.21	0.90	1.85	1.79
YOUNGSTOWN	66	5.67	5.67	5.99	11.80	7.28
OKLAHOMA						
OKLAHOMA CITY	66	1.76	1.76	1.08	1.22	1.46
TULSA	66	0.86	0.86	0.41	0.68	0.70
OREGON						
PORTLAND	66	2.93	2.93	1.04	6.26	3.29
PENNSYLVANIA						
LANCASTER	66	1.76	1.76	0.32	5.22	2.27
PHILADELPHIA	66	4.10	4.10	1.58	5.36	3.79
PITTSBURGH	66	6.08	6.08	5.27	2.03	4.87
PENNSYLVANIA (Continued)						
READING	66	2.07	2.07	0.63	4.37	2.29
WARMINSTER	66	0.90	0.90	0.18	1.76	0.94
WESTCHESTER	66	0.90	0.90			
PUERTO RICO						
BAYAMON	66	0.50	0.50	0.14	0.74	0.47
GUAYANILLA	66	0.27	0.27	0.18	1.40	0.53
PONCE	66	0.50	0.50	0.50	0.95	0.61
SAN JUAN	66	1.49	1.49	0.41	0.90	1.07
RHODE ISLAND						
PROVIDENCE	66	2.84	2.84	1.44	7.43	3.64
SOUTH CAROLINA						
COLUMBIA	66	2.39	2.39	0.45		
GREENVILLE	66	5.00	5.00	0.81	9.18	5.00
SOUTH DAKOTA						
SIOUX FALLS	66	0.95	0.95	0.54	0.77	0.80
TENNESSEE						
CHATTANOOGA	66	6.21	6.21	1.67	19.30	8.35
MEMPHIS	66	0.81	0.81	0.77	4.23	1.66
NASHVILLE	66	5.45	5.45	1.17	9.81	5.47
TEXAS						
DALLAS	66	1.13	1.13	1.31	1.89	1.37
HOUSTON	66	0.99	0.99	0.63	0.95	0.89
PASADENA	66				1.22	
SAN ANTONIO	66	0.41	0.41	0.32	1.04	0.55
UTAH						
OGDEN	66	0.14	0.14	0.41	1.49	0.55
SALT LK CITY	66	0.18	0.18	0.05	4.55	1.24
VERMONT						
BURLINGTON	66	1.13	1.13	0.50	0.41	0.79
VIRGINIA						
DANVILLE	66	1.40	1.40	0.86	9.05	3.18
NORFOLK	66	2.16	2.16	0.41	6.62	2.84
WASHINGTON						
SEATTLE	66	2.21	2.21	0.81	3.60	2.71
WEST VIRGINIA						
CHARLESTON	66	4.55	4.55	1.49	2.97	3.39
WISCONSIN						
MILWAUKEE	66	6.17	6.17	1.31	2.75	4.10
WYOMING						
CHEYENNE	66	0.54	0.54	0.37	0.63	0.52

Table 15. BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m^3)

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
ALABAMA	66 NUMBER	6	6	8	7	5	7	6	8	6	5	7	6
	MAXIMUM	0.2	0.2	0.3	0.3	0.6	0.8	0.2	0.1	0.1	0.1	2.1	0.2
	AVERAGE	0.2	0.1	0.2	0.2	0.4	0.5	0.2	0.1	0.1	0.1	0.6	0.1
	MINIMUM	0.1	0.0	0.1	0.1	0.2	0.3	0.0	0.1	0.0	0.0	0.1	0.1
ALASKA	66 NUMBER	2	2	1		3	2	2	2	1	2	2	2
	MAXIMUM	0.1	0.0	0.2		0.1	0.3	0.2	0.1	0.0	0.0	0.2	0.2
	AVERAGE	0.1	0.0	0.2		0.1	0.2	0.2	0.1	0.0	0.0	0.2	0.2
	MINIMUM	0.1	0.0	0.2		0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.1
ARIZONA	66 NUMBER	8	9	11	8	8	8	7	11	8	7	7	8
	MAXIMUM	0.2	0.3	0.7	0.4	10.8	1.8	0.3	0.2	0.3	0.1	0.3	0.2
	AVERAGE	0.1	0.2	0.2	0.3	3.8	1.0	0.2	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.0	0.1	0.2	0.2	0.7	0.1	0.1	0.0	0.1	0.1	0.1
ARKANSAS	66 NUMBER	5	7	9	6	6	6	5	9	6	5	7	6
	MAXIMUM	0.2	0.2	0.2	0.2	1.5	0.7	0.2	0.2	0.1	0.1	4.4	0.1
	AVERAGE	0.1	0.1	0.2	0.2	0.6	0.5	0.2	0.1	0.1	0.1	1.1	0.1
	MINIMUM	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.0
CALIFORNIA	66 NUMBER	14	14	20	12	14	16	14	18	12	13	16	14
	MAXIMUM	0.2	0.3	0.7	0.4	4.6	0.4	0.2	0.2	0.1	0.1	0.7	0.2
	AVERAGE	0.1	0.2	0.2	0.2	0.8	0.2	0.1	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
COLORADO	66 NUMBER	4	4	5	5	4	4	4	6	4	3	4	4
	MAXIMUM	0.2	0.3	0.4	0.5	5.3	1.8	0.3	0.1	0.1	0.1	0.2	1.5
	AVERAGE	0.1	0.2	0.3	0.3	1.8	0.9	0.2	0.1	0.1	0.1	0.2	0.5
	MINIMUM	0.1	0.2	0.2	0.2	0.2	0.5	0.1	0.1	0.1	0.0	0.1	0.1
CONNECTICUT	66 NUMBER	4	4	6	4	4	4	4	6	4	4	4	3
	MAXIMUM	0.2	0.1	0.2	0.3	0.3	0.5	0.3	0.2	0.1	0.1	0.3	0.1
	AVERAGE	0.1	0.1	0.1	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.0	0.0	0.1	0.0	0.1	0.4	0.3	0.0	0.1	0.0	0.1	0.1
DELAWARE	66 NUMBER	5	7	9	5	6	5	6	9	6	6	5	5
	MAXIMUM	1.9	0.2	0.3	0.4	1.8	0.7	0.4	0.3	0.1	0.1	0.5	0.1
	AVERAGE	0.5	0.1	0.2	0.2	0.5	0.5	0.3	0.2	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.1	0.1	0.0	0.1	0.4	0.2	0.1	0.0	0.0	0.1	0.0
DIST. OF COL.	66 NUMBER	2	2	3	2	2	2	1	3	1	3	2	2
	MAXIMUM	0.1	0.1	0.1	0.1	0.1	0.6	0.3	0.2	0.1	0.1	0.7	0.1
	AVERAGE	0.1	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.1	0.1	0.5	0.1
	MINIMUM	0.1	0.1	0.1	0.0	0.1	0.3	0.3	0.1	0.1	0.1	0.2	0.1
GEORGIA	66 NUMBER	18	17	26	17	17	18	17	25	17	18	17	19
	MAXIMUM	0.2	0.2	0.6	0.3	1.0	0.7	0.2	0.2	0.1	0.1	0.5	0.2
	AVERAGE	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.2	0.1
	MINIMUM	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
HAWAII	66 NUMBER	2	2	2	3	2	2	2	2	3	2	2	2
	MAXIMUM	0.1	0.1	0.1	0.2	1.8	0.3	0.2	0.1	0.1	0.0	0.5	0.1
	AVERAGE	0.1	0.1	0.1	0.1	1.0	0.3	0.2	0.1	0.0	0.0	0.3	0.1
	MINIMUM	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.1
IDAHO	66 NUMBER	2	2	3	2	2	2	2	3	2	1	2	2
	MAXIMUM	0.2	0.2	0.3	0.1	0.6	0.6	0.4	0.2	0.2	0.1	0.4	0.2
	AVERAGE	0.2	0.2	0.2	0.1	0.5	0.5	0.4	0.2	0.2	0.1	0.4	0.2
	MINIMUM	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.1
ILLINOIS	66 NUMBER	2	2	3	2	2	2	2	3	2	2	2	2
	MAXIMUM	0.2	0.1	0.2	0.1	0.3	0.6	0.3	0.2	0.1	0.1	3.1	0.1
	AVERAGE	0.2	0.1	0.2	0.1	0.2	0.5	0.3	0.1	0.1	0.1	1.6	0.1
	MINIMUM	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.1
INDIANA	66 NUMBER	14	14	24	13	15	16	15	21	18	15	15	14
	MAXIMUM	0.2	0.2	0.3	0.2	0.8	0.7	0.6	0.3	0.2	0.1	3.3	0.2
	AVERAGE	0.1	0.1	0.2	0.1	0.4	0.4	0.3	0.1	0.1	0.1	0.8	0.1
	MINIMUM	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.1	0.0

Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m^3)

Station	Years		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
IOWA	66	NUMBER	8	8	11	8	8	8	8	10	7	8	7	8
		MAXIMUM	0.2	0.1	0.2	0.2	0.5	0.8	0.3	0.2	0.2	0.1	2.1	0.2
		AVERAGE	0.2	0.1	0.2	0.1	0.2	0.6	0.2	0.1	0.1	0.1	0.5	0.1
		MINIMUM	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
KANSAS	66	NUMBER	4	4	6	3	4	3	3	6	4	3	4	4
		MAXIMUM	0.1	0.2	0.2	0.2	0.3	0.6	0.2	0.2	0.1	0.1	1.5	0.2
		AVERAGE	0.1	0.2	0.2	0.2	0.3	0.4	0.2	0.1	0.1	0.1	0.6	0.2
		MINIMUM	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1
KENTUCKY	66	NUMBER	3	7	9	6	6	6	6	9	6	6	6	6
		MAXIMUM	0.2	0.2	0.3	0.1	0.9	0.6	0.3	0.3	0.2	0.2	3.5	0.1
		AVERAGE	0.1	0.1	0.2	0.1	0.5	0.5	0.3	0.2	0.1	0.1	1.2	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.1
LOUISIANA	66	NUMBER	2	2	3	2	2	2	2	3	2	2	2	2
		MAXIMUM	0.1	0.2	0.3	0.3	1.4	0.5	0.2	0.1	0.1	0.1	1.4	0.1
		AVERAGE	0.1	0.2	0.2	0.2	0.8	0.5	0.2	0.1	0.1	0.1	0.8	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1
MAINE	66	NUMBER	2	2	3	2	1	2	2	2	3	2		3
		MAXIMUM	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.1	0.1	0.1		0.1
		AVERAGE	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.1	0.1	0.1		0.1
		MINIMUM	0.1	0.1	0.0	0.1	0.3	0.3	0.2	0.1	0.1	0.1		0.0
MARYLAND	66	NUMBER	4	4	5	5	4	4	4	6	3	4	4	4
		MAXIMUM	0.1	0.1	0.2	0.2	0.3	0.5	0.3	0.2	0.3	0.1	0.4	0.2
		AVERAGE	0.1	0.1	0.1	0.2	0.2	0.4	0.2	0.1	0.2	0.1	0.3	0.1
		MINIMUM	0.0	0.0	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
MICHIGAN	66	NUMBER	2	2	3	2	2	2	2	2	2	2	2	2
		MAXIMUM	0.2	0.1	0.2	0.2	0.5	0.5	0.4	0.2	0.1	0.1	3.4	0.1
		AVERAGE	0.2	0.1	0.2	0.2	0.4	0.5	0.4	0.2	0.1	0.1	2.0	0.1
		MINIMUM	0.1	0.0	0.2	0.1	0.2	0.5	0.3	0.2	0.1	0.1	0.5	0.1
MINNESOTA	66	NUMBER	8	8	11	8	8	8	8	11	9	7	9	8
		MAXIMUM	0.2	0.2	0.2	0.2	0.3	0.5	0.3	0.3	0.1	0.2	0.3	0.2
		AVERAGE	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1
		MINIMUM	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
MISSISSIPPI	66	NUMBER	4	4	6	3	5	4	4	6	4	4	4	4
		MAXIMUM	0.2	0.1	0.3	0.3	1.1	0.5	0.3	0.1	0.1	0.1	1.9	0.1
		AVERAGE	0.1	0.1	0.2	0.2	0.5	0.4	0.2	0.1	0.1	0.1	1.0	0.1
		MINIMUM	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.1
MISSOURI	66	NUMBER	6	4	9	6	5	5	6	7	7	6	6	5
		MAXIMUM	0.2	0.2	0.2	0.2	0.5	0.9	0.4	0.2	0.2	0.1	5.1	0.1
		AVERAGE	0.2	0.1	0.2	0.1	0.3	0.5	0.3	0.2	0.1	0.1	2.1	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.0
MONTANA	66	NUMBER	4	4	6	4	4	4	4	5	4	3	4	4
		MAXIMUM	0.2	0.1	0.2	0.1	1.1	0.3	0.4	0.2	0.1	0.1	0.2	0.1
		AVERAGE	0.1	0.1	0.2	0.1	0.6	0.2	0.3	0.1	0.1	0.0	0.2	0.1
		MINIMUM	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.0
NEBRASKA	66	NUMBER	3	4	6	4	4	4	4	6	4	4	4	4
		MAXIMUM	0.2	0.2	0.3	0.2	0.8	0.5	0.3	0.2	0.2	0.2	0.5	0.2
		AVERAGE	0.1	0.2	0.2	0.2	0.4	0.4	0.3	0.1	0.1	0.1	0.2	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1
NEVADA	66	NUMBER	4	4	4	5	3	4	4	5	5	4	4	3
		MAXIMUM	0.2	0.2	0.2	1.4	5.9	8.6	0.4	0.1	0.2	0.1	0.5	0.1
		AVERAGE	0.2	0.1	0.2	0.4	2.1	2.7	0.3	0.1	0.1	0.1	0.2	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.1	0.6	0.2	0.1	0.1	0.1	0.1	0.0
NEW HAMPSHIRE	66	NUMBER	4	4	6	3	4	4	4	6	4	4	4	4
		MAXIMUM	0.2	0.2	0.2	0.3	0.4	0.8	0.3	0.2	0.1	0.1	0.5	0.1
		AVERAGE	0.1	0.1	0.1	0.2	0.3	0.5	0.3	0.1	0.1	0.1	0.4	0.1
		MINIMUM	0.1	0.0	0.1	0.0	0.2	0.2	0.2	0.1	0.1	0.0	0.3	0.0
NEW JERSEY	66	NUMBER	12	15	19	14	13	11	13	20	13	13	14	14
		MAXIMUM	0.2	0.2	0.4	0.3	0.3	0.6	0.4	0.2	0.2	0.1	0.6	0.2
		AVERAGE	0.1	0.1	0.1	0.2	0.2	0.5	0.3	0.1	0.1	0.1	0.2	0.1
		MINIMUM	0.0	0.0	0.1	0.0	0.1	0.3	0.2	0.1	0.0	0.0	0.1	0.0
NEW MEXICO	66	NUMBER	4	4	5	4	4	5	2	6	4	4	3	4
		MAXIMUM	0.3	0.2	0.3	0.9	3.5	1.9	0.3	0.1	0.1	0.1	0.1	0.2
		AVERAGE	0.2	0.2	0.2	0.5	1.0	1.1	0.3	0.1	0.1	0.1	0.1	0.1
		MINIMUM	0.1	0.1	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.0	0.1	0.1

Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m^3)

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NEW YORK	66 NUMBER	4	4	5	4	4	4	4	6	4	3	4	4
	MAXIMUM	0.7	0.1	0.2	0.3	0.4	0.6	0.3	0.2	0.1	0.1	0.5	4.1
	AVERAGE	0.1	0.1	0.1	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.3	1.1
	MINIMUM	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.0
NORTH CAROLINA	66 NUMBER	4	3	5	4	4	3	4	5	5	4	4	4
	MAXIMUM	0.2	0.1	0.3	0.2	0.6	0.8	0.4	0.1	0.2	0.1	0.9	0.2
	AVERAGE	0.1	0.1	0.1	0.1	0.3	0.6	0.3	0.1	0.1	0.1	0.4	0.2
	MINIMUM	0.0	0.0	0.0	0.1	0.1	0.4	0.2	0.0	0.1	0.1	0.2	0.1
OHIO	66 NUMBER	14	14	21	14	13	14	14	20	14	14	14	13
	MAXIMUM	0.3	0.2	0.3	0.2	1.1	0.8	0.4	0.2	0.2	0.1	3.9	0.1
	AVERAGE	0.1	0.1	0.2	0.1	0.4	0.6	0.3	0.2	0.1	0.1	1.3	0.1
	MINIMUM	0.1	0.0	0.1	0.0	0.1	0.4	0.2	0.1	0.1	0.0	0.1	0.0
OKLAHOMA	66 NUMBER	6	6	9	6	6	6	6	5	7	5	5	7
	MAXIMUM	0.2	0.2	0.4	0.4	0.9	0.7	0.3	0.2	0.1	0.1	3.5	0.2
	AVERAGE	0.1	0.2	0.2	0.2	0.5	0.6	0.2	0.1	0.1	0.1	1.1	0.1
	MINIMUM	0.1	0.2	0.1	0.1	0.3	0.5	0.1	0.1	0.1	0.1	0.2	0.1
OREGON	66 NUMBER	4	4	5	3	4	3	4	4	4	4	3	4
	MAXIMUM	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.2	10.4
	AVERAGE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	2.7
	MINIMUM	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
PENNSYLVANIA	66 NUMBER	12	11	14	11	13	12	12	17	12	11	13	12
	MAXIMUM	0.1	0.2	0.4	0.2	0.7	0.9	0.4	0.2	0.1	0.1	1.0	0.1
	AVERAGE	0.1	0.1	0.2	0.1	0.2	0.5	0.3	0.1	0.1	0.1	0.4	0.1
	MINIMUM	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
PUERTO RICO	66 NUMBER	8	8	12	8	8	8	8	11	8	6	10	7
	MAXIMUM	0.2	0.2	0.1	0.2	1.6	0.7	0.2	0.1	0.1	0.2	0.1	0.1
	AVERAGE	0.1	0.1	0.1	0.1	0.4	0.5	0.1	0.1	0.1	0.1	0.1	0.1
	MINIMUM	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0
RHODE ISLAND	66 NUMBER	4	4	6	3	3	3	4	6	3	4	4	3
	MAXIMUM	0.2	0.2	0.3	0.4	0.3	0.5	0.3	0.2	0.1	0.1	0.7	0.1
	AVERAGE	0.1	0.1	0.2	0.3	0.2	0.4	0.3	0.1	0.1	0.1	0.4	0.1
	MINIMUM	0.0	0.0	0.0	0.1	0.1	0.4	0.3	0.1	0.1	0.1	0.2	0.0
SOUTH CAROLINA	66 NUMBER	6	6	8	6	6	7	6	8	6	5	5	6
	MAXIMUM	0.2	0.2	0.2	0.2	0.4	0.8	0.5	0.2	0.1	0.2	1.3	0.2
	AVERAGE	0.2	0.1	0.2	0.2	0.2	0.5	0.3	0.1	0.1	0.1	0.4	0.1
	MINIMUM	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.1	0.0	0.1
SOUTH DAKOTA	66 NUMBER	4	4	6	4	3	4	4	6	4	4	4	4
	MAXIMUM	0.2	0.2	0.2	0.2	0.5	1.8	0.3	0.2	0.1	0.1	0.2	0.1
	AVERAGE	0.1	0.1	0.2	0.1	0.3	0.9	0.3	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.1	0.0	0.1	0.2	0.5	0.2	0.1	0.1	0.1	0.1	0.1
TENNESSEE	66 NUMBER	6	5	7	5	7	7	6	8	6	5	6	5
	MAXIMUM	0.2	0.2	0.2	0.6	0.9	0.7	0.3	0.2	0.1	0.2	4.8	0.1
	AVERAGE	0.1	0.2	0.2	0.2	0.4	0.5	0.2	0.1	0.1	0.1	1.0	0.1
	MINIMUM	0.1	0.1	0.0	0.1	0.2	0.4	0.1	0.0	0.1	0.1	0.2	0.0
TEXAS	66 NUMBER	38	39	60	42	42	41	42	36	37	41	42	40
	MAXIMUM	0.2	0.3	0.4	0.5	3.3	1.6	0.4	0.3	0.1	0.2	15.4	7.1
	AVERAGE	0.1	0.2	0.2	0.2	0.9	0.6	0.2	0.1	0.1	0.1	2.1	0.3
	MINIMUM	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.1	0.1	0.1
UTAH	66 NUMBER	4	3	6	4	4	4	4	5	4	4	3	3
	MAXIMUM	0.2	0.2	0.2	0.3	0.9	1.9	0.3	0.2	0.1	0.2	0.3	0.1
	AVERAGE	0.2	0.1	0.1	0.2	0.5	0.9	0.2	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.1	0.1	0.1	0.2	0.5	0.1	0.1	0.1	0.0	0.1	0.1
VERMONT	66 NUMBER	4	4	6	3	5	4	4	5	5	4	3	4
	MAXIMUM	0.2	0.1	0.2	0.2	0.3	0.9	0.3	0.2	0.1	0.1	0.3	0.1
	AVERAGE	0.1	0.1	0.1	0.1	0.2	0.6	0.3	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.0	0.1	0.1	0.1	0.4	0.3	0.1	0.1	0.0	0.1	0.0
VIRGINIA	66 NUMBER	6	6	9	5	7	6	6	8	5	6	5	6
	MAXIMUM	1.9	0.1	0.3	0.1	1.4	0.8	0.4	0.2	0.1	0.1	0.3	0.1
	AVERAGE	0.4	0.1	0.2	0.0	0.4	0.5	0.3	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.0	0.1	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.0
WASHINGTON	66 NUMBER	2	2	3	2	2	2	2	3	2	2	2	2
	MAXIMUM	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.1
	AVERAGE	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.1
	MINIMUM	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.1

Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m^3)

Station	Years		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
WEST VIRGINIA	66	NUMBER	2	1	3	2	1	2	2	2	2	1	2	2
		MAXIMUM	0.2	0.1	0.2	0.1	0.3	0.5	0.3	0.1	0.1	0.1	0.8	0.1
		AVERAGE	0.2	0.1	0.2	0.1	0.3	0.5	0.3	0.1	0.1	0.1	0.5	0.1
		MINIMUM	0.2	0.1	0.2	0.1	0.3	0.5	0.3	0.1	0.1	0.1	0.1	0.1
WISCONSIN	66	NUMBER	2	2	3	2	2	2	2	3	2	2	2	2
		MAXIMUM	0.1	0.1	0.2	0.2	0.3	0.7	0.3	0.2	0.1	0.1	3.5	0.1
		AVERAGE	0.1	0.1	0.1	0.2	0.2	0.6	0.3	0.2	0.1	0.1	1.9	0.1
		MINIMUM	0.1	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.1	0.1	0.2	0.1
WYOMING	66	NUMBER	2	3	6	4	4	4	4	6	4	4	4	4
		MAXIMUM	2.9	0.2	0.7	0.3	1.7	1.1	0.4	0.2	0.1	0.2	1.1	0.1
		AVERAGE	1.6	0.1	0.1	0.2	0.7	0.7	0.3	0.1	0.1	0.1	0.5	0.1
		MINIMUM	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1

Table 16. AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM	65	24					.1	.1	.1	.1	.1	.2	.7	.1	.1	1.76
HUNTSVILLE	65	26				.1	.1	.1	.1	.2	.3	.5	2.9	.3	.2	2.40
MONTGOMERY	65	25				.1	.1	.1	.2	.3	.4	.7	1.9	.3	.2	2.67
ARIZONA																
PARADISE VALLEY	65	26						.1	.1	.1	.1	.1	.3	.1	.1	1.69
PHOENIX	65	26					.1	.1	.1	.1	.4	.5	.6	.2	.1	2.68
TUCSON	65	25					.1	.1	.1	.1	.1	.2	.4	.1	.1	1.98
CALIFORNIA																
GLENDALE	65	26	.1	.1	.1	.2	.3	.5	.7	.8	1.0	1.3	6.3	.8	.5	2.70
LONG BEACH	65	25		.1	.1	.2	.4	.6	.8	1.3	1.4	1.8	6.8	1.0	.5	3.39
LOS ANGELES	65	23			.1	.1	.2	.3	.4	.6	.7	1.3	4.3	.7	.3	3.96
OAKLAND	65	24					.1	.1	.1	.1	.3	1.6	1.9	.3	.1	3.58
SAN DIEGO	65	25					.1	.1	.1	.2	.5	.7	1.0	.2	.1	2.87
SAN FRANCISCO	65	26					.1	.1	.1	.1	.6	.9	5.9	.5	.1	4.40
COLORADO																
DENVER	65	24					.1	.1	.1	.1	.1	.4	1.8	.2	.1	2.70
CONNECTICUT																
HARTFORD	65	25			.1	.1	.2	.5	.9	1.1	1.3	2.1	4.9	.9	.4	4.30
NEW BRITAIN	65	26		.1	.1	.2	.3	.4	.6	.8	1.2	1.4	2.4	.7	.4	3.05
NEW HAVEN	65	24	.3	.3	.7	.8	1.3	1.5	1.6	1.9	2.1	4.5	6.9	1.9	1.4	2.33
NORWICH	65	24			.1	.1	.4	.5	.6	1.0	1.2	2.3	6.8	.9	.4	4.38
WATERBURY	65	26		.1	.1	.2	.3	.6	1.4	1.5	1.6	2.6	3.5	1.1	.5	4.15
DELAWARE																
NEWARK	65	24		.1	.1	.2	.3	.4	.5	1.0	1.3	1.9	2.1	.7	.4	2.90
WILMINGTON	65	23		.2	.6	.7	.9	1.2	1.5	1.6	2.1	3.0	4.1	1.4	1.0	2.78
DIST. OF COL.																
WASHINGTON	65	24		.1	.3	.6	.8	.9	1.4	1.5	1.6	2.0	2.8	1.1	.7	3.02
FLORIDA																
FORT LAUDERDALE	64	21						.1	.1	.1	.1	.1	.2	.1	.1	1.59
GEORGIA																
ATLANTA	65	24					.1	.1	.1	.1	.2	.4	.7	.1	.1	2.44
HAWAII																
HONOLULU	65	25						.1	.1	.1	.1	.1	.2		.1	1.36
IDAHO																
BOISE	65	25						.1	.1	.1	.1	.1	.3		.1	1.72
ILLINOIS																
CHICAGO	65	24			.1	.1	.1	.3	.7	1.1	1.3	2.1	2.6	.7	.3	5.05
EAST ST LOUIS	65	24			.1	.1	.1	.2	.6	1.1	1.6	2.4	4.9	.9	.3	5.23
JOLIET	65	23				.1	.1	.2	.3	.5	.6	.9	2.0	.4	.2	3.74

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ILLINOIS (Continued) ROCKFORD	65	26					.1	.1	.1	.1	.3	.4	1.0	.2	.1	2.74
SPRINGFIELD	65	25					.1	.1	.1	.1	.1	.2	.4	.1	.1	2.02
INDIANA BEVERLY SHORES	64	26				.1	.1	.1	.2	.2	.3	.4	1.3	.2	.1	2.80
	65	25				.1	.1	.1	.2	.2	.3	.6	.8	.2	.1	2.80
DUNES POLICE POST	65	23				.1	.1	.1	.2	.3	.4	.6	.8	.2	.2	2.50
DUNES STATE PARK	65	23				.1	.1	.1	.2	.3	.3	.9	1.2	.3	.2	2.91
EAST CHICAGO	65	25			.1	.1	.1	.2	.2	.5	.7	1.6	3.9	.6	.2	3.80
HAMMOND	65	25			.1	.1	.1	.3	.3	.4	.5	1.7	2.3	.5	.2	3.87
INDIANAPOLIS	65	25			.1	.1	.1	.3	.4	.5	.9	1.1	1.8	.4	.2	3.41
OGDEN DUNES	65	24					.1	.1	.1	.2	.3	.5	.8	.2	.1	2.56
PORTAGE	64	26					.1	.1	.1	.1	.3	.4	1.2	.2	.1	2.70
SOUTH BEND	65	23			.1	.1	.1	.4	.6	1.1	1.6	2.4	3.6	.9	.3	5.57
IOWA CEDAR RAPIDS	65	26						.1	.1	.1	.1	.3	.7	.1	.1	2.29
DES MOINES	65	25	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	1.0	.3	.3	1.49
KANSAS TOPEKA	65	25	.1	.1	.1	.1	.2	.2	.2	.2	.2	.3	.5	.2	.2	1.41
WICHITA	65	26		.1	.1	.1	.1	.2	.2	.2	.2	.2	.5	.2	.2	1.60
KENTUCKY LEXINGTON	65	24		.1	.1	.1	.2	.2	.3	.4	.6	1.2	1.9	.5	.3	2.45
LOUISVILLE	65	23			.1	.1	.2	.2	.3	.3	.4	.6	2.0	.5	.2	2.18
LOUISIANA NEW ORLEANS	65	25			.1	.1	.1	.2	.2	.2	.2	.3	.4	.2	.2	1.87
SHREVEPORT	65	26				.1	.1	.2	.3	.4	.9	1.0	1.2	.4	.2	3.27
MAINE PORTLAND	65	22		.1	.1	.2	.2	.3	.3	.6	.8	1.1	2.3	.5	.4	2.49
MARYLAND BALTIMORE	65	26		.1	.1	.2	.3	.5	.7	1.2	1.4	1.6	2.8	.8	.4	3.78
MASSACHUSETTS BROCKTON	65	24	.2	.2	.2	.3	.3	.4	.4	.6	.6	1.4	4.0	.7	.5	2.13
LAWRENCE	65	23		.1	.2	.3	.3	.5	.7	.9	1.3	2.1	4.9	.8	.5	3.02
MICHIGAN DETROIT	65	24			.1	.1	.1	.1	.2	.2	.3	.4	1.1	.2	.2	2.22
FLINT	65	25						.1	.1	.1	.1	.1	.3		.1	1.47
GRAND RAPIDS	65	23					.1	.1	.1	.1	.2	.4	.6	.1	.1	2.46
TRENTON	65	25					.1	.1	.1	.1	.1	.2	.4	.1	.1	1.82
MINNESOTA MINNEAPOLIS	65	25				.1	.1	.1	.1	.2	.2	.5	.7	.2	.1	2.29
ST PAUL	65	26					.1	.1	.1	.1	.2	.3	2.1	.2	.1	2.33
MISSISSIPPI JACKSON	65	24				.1	.1	.1	.1	.2	.2	.5	.7	.2	.1	2.13

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MISSOURI																
KANSAS CITY	65	24	.1			.1	.1	.1	.1	.2	.2	.3	.4	.2	.2	1.64
ST LOUIS	65	25				.1	.1	.1	.2	.5	.6	1.3	1.8	.4	.2	3.30
MONTANA																
HELENA	65	22	.1	.1	.1	.2	.2	.2	.3	.3	.4	.5	1.0	.3	.3	1.66
NEBRASKA																
OMAHA	65	25					.1	.1	.1	.1	.2	.3	.7	.1	.1	2.30
NEVADA																
LAS VEGAS	65	26						.1	.1	.1	.1	.1	.2	.1	.1	1.90
RENO	65	25				.1	.1	.1	.2	.3	.5	.7	1.6	.3	.2	2.59
NEW HAMPSHIRE																
CONCORD	65	25	.1	.1	.1	.1	.2	.2	.2	.3	.3	1.1	1.2	.3	.2	2.05
NEW JERSEY																
BRIDGETON	65	24			.1	.2	.4	.5	.6	.7	.8	2.1	2.2	.7	.4	2.95
JUTLAND	64	20					.1	.1	.1	.1	.2	.4	.9	.1	.1	2.39
	65	23			.1	.1	.1	.2	.3	.6	.7	1.3	3.6	.5	.3	3.26
HAMILTON	65	23	.2	.2	.4	.5	.6	1.1	1.4	1.6	1.8	2.7	5.0	1.4	1.0	2.36
JERSEY CITY	65	26	.7	.7	.9	1.0	1.1	1.4	2.0	2.3	3.5	4.2	5.7	2.1	1.7	1.93
MARLTON	65	22			.1	.2	.3	.4	.5	.7	1.4	2.1	2.6	.7	.4	3.56
NEWARK	65	24	.2	.4	.6	.7	.9	1.3	1.6	2.1	2.4	3.1	5.0	1.7	1.3	2.25
PATERSON	65	24	.3	.7	.9	1.0	1.6	1.7	1.8	2.1	2.6	4.1	4.3	1.9	1.6	1.89
PEMBERTON	65	26			.1	.1	.2	.3	.4	.5	.7	1.2	2.8	.5	.3	3.51
PERTH AMBOY	65	24	.4	.6	.8	1.0	1.1	1.2	2.0	2.4	3.7	4.5	6.0	2.1	1.6	2.12
PRINCETON	65	21		.1	.3	.3	.4	.8	1.1	1.7	2.1	2.5	2.7	1.1	.7	4.98
GLASSBORO	64	23	.1		.1	.1	.1	.2	.3	.4	.5	.7	1.6	.4	.2	2.43
	65	24			.1	.1	.2	.2	.3	.6	.8	1.0	1.7	.5	.3	2.60
NEW YORK																
NEW YORK CITY	65	24	.4	.4	1.1	1.3	1.6	2.3	2.6	4.1	4.5	5.8	8.2	2.8	2.1	2.37
NORTH CAROLINA																
CHARLOTTE	65	26	.1	.1	.2	.2	.3	.4	.5	.6	.8	.9	2.9	.6	.4	2.30
OHIO																
AKRON	65	25		.1	.1	.2	.3	.4	.5	.7	1.1	1.4	1.6	.6	.4	2.90
CINCINNATI	65	25		.1	.2	.2	.3	.3	.4	.5	.7	1.1	2.6	.5	.4	2.33
CLEVELAND	65	26	.1	.1	.2	.2	.3	.4	.6	.7	1.1	1.3	2.7	.7	.5	2.40
COLUMBUS	65	25				.1	.1	.1	.2	.3	.4	.8	1.3	.3	.2	2.83
TOLEDO	65	26	.1	.2	.3	.3	.4	.5	.6	.7	.8	.8	4.7	.7	.5	2.05
YOUNGSTOWN	65	26	.1	.3	.3	.4	.4	.6	.9	1.1	1.3	1.5	2.1	.8	.7	2.12
OKLAHOMA																
OKLAHOMA CITY	65	26					.1	.1	.1	.1	.2	.2	.5	.1	.1	1.69
TULSA	65	25					.1	.1	.1	.1	.1	.3	.4	.1	.1	1.61
OREGON																
EUGENE	65	26	.1	.1	.1	.2	.2	.3	.3	.4	.5	.6	2.8	.4	.3	2.05
MEDFORD	65	24	.3	.3	.5	.5	.6	.6	.7	.8	1.3	2.3	5.3	1.0	.8	1.89

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
[illegible] (Continued)																
PORTLAND	65	25	.2	.2	.2	.2	.3	.4	.4	.5	.6	.8	1.9	.5	.4	1.73
PENNSYLVANIA																
ALTOONA	65	21	.3	.4	.6	.7	.9	1.1	1.2	1.4	1.7	2.6	3.3	1.3	1.1	1.88
BETHLEHEM	65	24	.1		.1	.1	.2	.3	.4	.5	.6	1.3	1.9	.5	.3	2.40
EMBREEVILLE	65	24			.1	.1	.1	.2	.3	.5	.6	1.6	2.0	.5	.3	2.94
ERIE	65	24	.1	.1	.1	.2	.3	.3	.4	.7	.9	1.3	1.5	.5	.4	2.35
JOHNSTOWN	65	24	.2	.2	.3	.4	.6	.7	.8	.9	1.0	1.8	3.8	1.0	.7	2.28
LANCASTER	65	25	.2	.3	.4	.6	.7	.9	1.0	1.2	1.5	2.4	6.1	1.2	.9	2.27
NESHAMINY	65	24			.1	.1	.1	.2	.7	1.0	1.1	1.3	7.1	.8	.3	4.45
PHILADELPHIA	65	25	.4	.7	.8	1.3	1.5	1.7	1.9	3.1	4.6	9.1	11.7	2.6	1.9	2.20
PIPERSVILLE	65	23			.1	.1	.2	.4	.6	.8	1.0	1.8	2.4	.7	.4	3.62
PITTSBURGH	65	24	.1	.2	.3	.3	.4	.5	.9	1.1	1.3	1.7	2.5	.8	.6	2.30
READING	65	24	.1	.2	.3	.3	.4	.6	.7	1.1	1.2	1.8	2.7	.8	.6	2.30
WEST CHESTER	65	24				.1	.1	.1	.2	.4	.6	1.0	2.0	.4	.2	3.45
YORK	65	26			.1	.1	.1	.3	.3	.5	.6	.9	1.9	.4	.3	3.17
PUERTO RICO																
BAYAMON	65	23						.1	.1	.1	.1	.1	.1		.1	1.35
SAN JUAN	65	24						.1	.1	.1	.1	.1	.			1.03
RHODE ISLAND																
EAST PROVIDENCE	65	24			.1	.1	.2	.3	.4	.8	1.0	1.6	2.1	.6	.3	3.44
PROVIDENCE	65	26		.1	.3	.4	.5	.7	1.2	1.4	1.6	2.1	10.0	1.3	.7	3.24
SOUTH CAROLINA																
CHARLESTON	65	25					.1	.1	.1	.1	.2	.5	.6	.1	.1	2.48
SPARTANBURG	65	26			.1	.1	.3	.5	.6	.7	.8	1.2	2.5	.6	.3	3.21
SOUTH DAKOTA																
SIOUX FALLS	65	26						.1	.1	.1	.1	.1	.2		.1	1.42
TENNESSEE																
CHATTANOOGA	65	24				.1	.1	.1	.3	.5	.6	1.1	2.1	.4	.2	3.58
KNOXVILLE	65	25		.1	.1	.3	.4	.5	.5	.6	.8	1.3	3.2	.6	.4	2.73
MEMPHIS	65	26					.1	.1	.1	.1	.2	.4	2.2	.2	.1	2.94
NASHVILLE	65	24				.1	.1	.2	.3	.5	.5	.6	3.1	.4	.2	3.39
TEXAS																
DALLAS	65	26						.1	.1	.1	.1	.1	.2		.1	1.44
HOUSTON	65	25						.1	.1	.1	.1	.1	.2		.1	1.40
SAN ANTONIO	65	25						.1	.1	.1	.1	.1	.1		.1	1.22
UTAH																
SALT LAKE CITY	65	26					.1	.1	.1	.1	.2	.5	3.5	.3	.1	2.91
VERMONT																
BURLINGTON	65	25					.1	.1	.1	.1	.1	.3	.6	.1	.1	2.09

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
VIRGINIA HAMPTON	65	25				.1	.1	.1	.2	.3	.5	1.2	1.4	.3	.2	3.35
LYNCHBURG	65	25			.1	.1	.1	.2	.2	.3	.5	.8	1.6	.4	.2	2.88
NORFOLK	65	25				.1	.1	.2	.3	.5	.6	1.5	2.5	.5	.2	3.49
PORTSMOUTH	65	26		.1	.1	.2	.2	.4	.7	.9	1.1	1.3	1.6	.6	.4	3.28
RICHMOND	65	25		.1	.1	.2	.4	.8	.9	1.2	1.3	2.0	4.6	.9	.5	3.59
ROANOKE	65	24			.1	.1	.2	.3	.4	.5	.8	1.0	1.9	.5	.3	2.97
WASHINGTON SEATTLE	65	25						.1	.1	.1	.1	.3	.4	.1	.1	1.92
WEST VIRGINIA CHARLESTON	65	25	.1	.1	.2	.6	1.2	1.8	3.3	5.1	7.0	12.3	23.2	4.3	1.5	5.38
WEIRTON	65	23		.1	.1	.2	.2	.3	.4	.6	.7	1.0	1.5	.5	.3	2.49
WHEELING	65	25	.1	.4	.6	.7	.8	1.0	1.1	1.3	1.6	3.1	5.7	1.3	.9	2.50
WISCONSIN KENOSHA	65	25				.1	.1	.1	.1	.2	.4	.7	.8	.2	.1	2.69
MADISON	65	25			.1	.1	.1	.1	.2	.2	.4	.9	1.0	.3	.2	2.99
MILWAUKEE	65	25				.1	.1	.1	.1	.2	.2	.4	1.3	.2	.1	2.42
WYOMING CHEYENNE	65	25						.1	.1	.1	.1	.1	.			1.00

Table 17. AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	65	24						.1	.1	.1	.1	.1	.3		.1	1.61
CALIFORNIA HUMBOLDT COUNTY	65	24					.1	.1	.1	.1	.2	.3	.4	.1	.1	2.34
COLORADO MONTEZUMA COUNTY	65	25						.1	.1	.1	.1	.1	.9		.1	1.84
DELAWARE KENT COUNTY	65	25				.1	.1	.2	.3	.6	.7	.9	2.1	.4	.2	3.83
FLORIDA FLORIDA KEYS	64	21						.1	.1	.1	.1	.1	.2	.1	.1	1.59
IDAHO BUTTE COUNTY	65	25						.1	.1	.1	.1	.1	.6		.1	1.83
INDIANA PARKE COUNTY	65	25					.1	.1	.1	.1	.2	.7	1.1	.2	.1	3.07
IOWA DELAWARE COUNTY	65	25						.1	.1	.1	.1	.2	.7	.1	.1	1.84
MAINE ACADIA NAT PARK	65	22					.1	.1	.1	.1	.1	.2	1.1	.1	.1	2.39
MARYLAND CALVERT COUNTY	65	26				.1	.1	.2	.3	.4	.5	.7	2.0	.4	.2	3.13
MISSISSIPPI JACKSON COUNTY	65	25						.1	.1	.1	.1	.1	.2		.1	1.47
MISSOURI SHANNON COUNTY	65	26					.1	.1	.1	.1	.4	.5	7.0	.4	.1	3.63
MONTANA GLACIER NAT PARK	65	23						.1	.1	.1	.1	.1	.9		.1	1.84
NEBRASKA THOMAS COUNTY	65	26											.0			
NEVADA WHITE PINE CO	65	23											.0			
NEW HAMPSHIRE COOS COUNTY	65	23						.1	.1	.1	.1	.1	.4		.1	1.80
NEW MEXICO RIO ARRIBA COUNTY	65	25						.1	.1	.1	.1	.1	.1		.1	1.22
NEW YORK CAPE VINCENT	65	25				.1	.1	.1	.1	.3	.5	.6	.8	.2	.1	2.91
NORTH CAROLINA CAPE HATTERAS	65	25						.1	.1	.1	.1	.1	.4		.1	1.34
OKLAHOMA CHEROKEE COUNTY	65	26						.1	.1	.1	.1	.2	1.1	.1	.1	2.30
OREGON CURRY COUNTY	65	24						.1	.1	.1	.1	.1	.4		.1	1.73
PENNSYLVANIA CLARION COUNTY	65	25				.1	.1	.1	.1	.2	.3	.4	.9	.2	.1	2.37
RHODE ISLAND WASHINGTON CO	65	26				.1	.1	.1	.2	.4	.6	1.1	4.3	.3	.2	3.68

Table 17 (continued). AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	65	26						.1	.1	.1	.1	.1	1.5	.1	.1	1.96
TEXAS MATAGORDA COUNTY	65	25						.1	.1	.1	.1	.3	6.9	.4	.1	3.14
VERMONT ORANGE COUNTY	65	24					.1	.1	.1	.1	.1	.4	.6	.1	.1	2.00
VIRGINIA SHENANDOAH PARK	65	25					.1	.1	.1	.1	.3	.5	1.3	.2	.1	2.52
WISCONSIN DOOR COUNTY	65	21						.1	.1	.1	.1	.1	.1		.1	1.37
WYOMING YELLOWSTONE PARK	65	24						.1	.1	.1	.1	.1	.1		.1	1.28

Table 18. NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM	65	24	1.0	1.2	2.0	2.3	2.5	2.6	2.7	2.9	3.4	4.2	5.1	2.8	2.6	1.47
HUNTSVILLE	65	26	.8	1.5	1.6	1.9	2.0	2.1	2.3	2.7	3.0	3.4	3.7	2.3	2.2	1.43
MONTGOMERY	65	25	.2	.5	.6	.9	1.1	1.3	1.5	1.8	2.0	2.8	3.5	1.5	1.2	1.98
ARIZONA PARADISE VALLEY	65	26	.7	.9	1.2	1.4	1.6	1.8	2.1	2.2	2.5	2.6	5.2	2.0	1.8	1.61
PHOENIX	65	26	.3	1.2	1.8	2.3	2.5	2.7	2.9	3.1	3.9	4.2	6.3	2.9	2.5	1.80
TUCSON	65	25	.4	.7	.8	.9	1.0	1.1	1.1	1.4	1.5	1.8	2.4	1.2	1.1	1.52
CALIFORNIA GLENDALE	65	26	1.6	3.4	3.7	4.4	5.2	6.5	9.1	11.0	14.3	16.3	22.5	8.6	6.9	2.01
LONG BEACH	65	25	1.0	2.3	2.8	3.2	3.9	5.0	6.5	9.7	12.5	16.3	19.8	7.2	5.3	2.24
LOS ANGELES	65	25	4.0	6.5	10.4	11.3	11.8	12.6	14.3	15.6	17.1	21.2	25.4	13.5	12.6	1.49
OAKLAND	65	24	.6	1.0	1.3	1.4	2.3	3.0	4.2	5.2	5.7	9.7	12.6	4.2	3.0	2.37
SAN DIEGO	65	25	1.7	2.6	3.4	4.1	4.6	5.0	5.9	6.5	7.1	8.5	10.5	5.3	4.8	1.59
SAN FRANCISCO	65	26	.4	.7	1.0	1.8	2.3	3.0	4.1	4.6	5.3	6.5	7.7	3.4	2.6	2.37
COLORADO DENVER	65	24	.8	1.2	1.8	1.9	2.0	3.0	3.7	5.0	6.3	8.8	12.7	4.2	3.2	2.06
CONNECTICUT HARTFORD	65	25	.6	1.1	1.6	1.9	2.6	2.8	3.0	4.3	4.8	5.7	9.4	3.3	2.7	1.94
NEW BRITAIN	65	26	.6	1.4	2.3	2.5	2.7	3.0	3.3	3.5	4.0	5.7	6.1	3.3	2.9	1.76
NEW HAVEN	65	24	.4	.7	1.0	1.2	2.1	2.3	2.8	3.4	4.4	5.0	8.2	2.8	2.2	2.09
NORWICH	65	24	.7	.8	1.3	1.4	1.6	1.7	1.8	2.3	2.6	3.4	4.1	2.0	1.8	1.57
WATERBURY	65	26	1.0	1.5	1.6	2.2	2.3	2.9	3.4	3.6	4.4	5.8	7.4	3.1	2.8	1.70
DELAWARE NEWARK	65	26	.9	1.1	1.4	1.8	2.6	2.7	2.9	3.4	4.4	5.4	6.6	2.9	2.5	1.74
WILMINGTON	65	25	1.2	1.5	2.0	2.4	2.5	2.8	3.0	3.6	3.8	5.7	6.6	3.1	2.9	1.55
DIST. OF COL. WASHINGTON	65	24	1.8	1.9	2.2	2.4	2.6	3.3	3.6	4.3	5.7	5.8	7.6	3.5	3.2	1.46
FLORIDA FORT LAUDERDALE	64	21	.1	.2	.2	.3	.4	.5	.6	.8	1.0	1.4	1.9	.7	.6	2.04
GEORGIA ATLANTA	65	24	1.1	1.4	1.8	2.1	2.2	2.5	2.7	2.9	3.2	4.2	4.6	2.7	2.5	1.48
HAWAII HONOLULU	65	25	.3	.3	.4	.5	.6	.7	.7	1.0	1.1	1.4	2.1	.8	.7	1.78
IDAHO BOISE	65	25	.9	1.0	1.1	1.3	1.4	1.6	1.7	2.1	2.4	3.4	5.1	2.0	1.8	1.46
ILLINOIS CHICAGO	65	24	.2	.4	.9	1.0	1.6	1.7	1.9	2.4	3.7	5.4	7.6	2.2	1.8	2.04
EAST ST LOUIS	65	24	.4	1.2	1.6	1.8	2.5	3.4	3.9	5.2	5.7	7.2	10.3	3.7	3.0	2.11
JOLIET	65	25	.3	1.0	1.2	1.4	1.8	2.6	3.1	3.4	4.1	5.7	6.5	2.9	2.5	2.05

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
(Continued)																
ROCKFORD	65	26	1.2	1.4	1.5	2.0	2.2	2.6	2.9	3.4	3.9	5.2	8.2	3.1	2.7	1.64
SPRINGFIELD	65	25	.9	1.6	2.2	2.9	3.5	3.7	3.9	4.2	4.4	5.0	8.3	3.5	3.2	1.62
INDIANA																
BEVERLY SHORES	64	26	.4	.9	1.2	1.4	1.6	1.8	2.2	2.4	3.0	3.7	5.0	2.1	1.9	1.74
	65	25	.9	1.4	1.7	2.3	2.5	2.8	3.4	3.7	3.9	4.8	5.5	3.0	2.7	1.61
DUNES POLICE POST	65	25	1.3	1.4	2.3	2.5	3.0	3.7	4.0	4.3	5.0	5.7	8.1	3.7	3.3	1.60
DUNES STATE PARK	65	23	1.1	1.4	1.6	1.9	2.2	2.9	3.4	3.9	4.2	5.0	7.0	3.1	2.7	1.68
EAST CHICAGO	65	25	.1	1.1	1.3	1.7	1.8	2.7	3.0	4.4	4.8	6.2	9.2	3.2	2.4	2.40
HAMMOND	65	25	1.2	1.4	1.7	2.2	2.5	3.0	3.6	3.9	5.4	6.5	10.5	3.6	3.0	1.78
INDIANAPOLIS	65	25	1.0	1.6	2.0	2.3	2.5	2.6	3.0	3.7	3.9	5.0	7.1	3.1	2.8	1.57
OGDEN DUNES	65	24	1.0	1.2	1.6	1.9	2.3	2.6	3.6	3.7	4.6	7.4	9.6	3.4	2.8	1.81
PORTAGE	64	26	.1	.7	.9	1.2	1.6	2.3	2.8	3.2	4.6	5.2	5.9	2.6	1.9	2.47
SOUTH BEND	65	23	.6	1.1	1.4	1.9	2.1	2.4	2.6	3.7	4.2	5.7	6.3	2.9	2.5	1.81
IOWA																
CEDAR RAPIDS	65	26	.1	.3	.4	.7	.9	1.4	3.0	3.3	3.7	4.6	16.4	2.8	1.5	3.43
DES MOINES	65	25	.4	.8	1.7	2.0	2.3	2.6	2.8	3.1	3.4	5.4	5.9	2.7	2.2	2.03
KANSAS																
TOPEKA	65	25	.3	.6	1.1	1.6	1.7	2.3	2.5	3.0	3.3	5.0	6.5	2.4	1.9	2.05
WICHITA	65	26	.4	1.2	1.3	1.9	2.0	2.5	2.8	3.0	3.4	4.2	7.0	2.6	2.3	1.79
KENTUCKY																
LEXINGTON	65	26	1.4	1.6	2.2	2.4	2.7	2.8	3.0	3.5	3.8	4.6	5.5	3.0	2.9	1.41
LOUISVILLE	65	25	1.0	1.4	2.6	3.0	3.4	4.1	4.4	4.6	4.8	5.7	6.7	3.8	3.5	1.63
LOUISIANA																
NEW ORLEANS	65	25	1.4	1.9	2.1	2.4	2.6	3.0	3.6	3.9	4.4	6.1	6.8	3.4	3.1	1.53
SHREVEPORT	65	26	1.1	1.2	1.7	2.2	2.4	2.5	2.7	2.9	3.2	3.9	5.7	2.6	2.4	1.53
MAINE																
PORTLAND	65	22	.3	.3	.4	.6	.7	.9	1.1	1.2	1.7	2.8	3.2	1.2	.9	2.09
MARYLAND																
BALTIMORE	65	26	.8	1.2	1.6	1.9	2.2	2.5	3.0	3.4	4.2	4.7	6.4	2.9	2.5	1.70
MASSACHUSETTS																
BROCKTON	65	24	.8	1.3	1.5	1.6	2.0	2.6	3.0	3.7	4.4	5.6	6.1	2.9	2.6	1.74
LAWRENCE	65	49	.6	.7	.9	1.0	1.3	2.0	3.0	3.4	3.6	5.9	9.9	2.6	1.9	2.02
MICHIGAN																
DETROIT	65	26	.7	.8	1.2	1.7	2.5	3.4	4.0	4.2	4.4	7.0	8.0	3.4	2.8	2.02
FLINT	65	25	.5	.7	1.0	1.3	1.4	2.8	3.4	3.9	5.1	5.6	7.6	2.9	2.2	2.23
GRAND RAPIDS	65	25	.3	.5	.9	1.1	1.4	2.4	2.6	3.4	4.4	4.8	6.2	2.6	2.0	2.23
TRENTON	65	25	.8	1.4	1.8	2.3	2.9	3.7	3.9	4.7	5.0	6.1	10.8	3.7	3.2	1.81
MINNESOTA																
MINNEAPOLIS	65	25	.2	.5	.8	1.1	1.2	1.6	2.0	2.3	2.5	2.8	5.7	1.8	1.4	2.29
ST PAUL	65	26	.3	.5	.7	.9	.9	1.2	1.4	1.8	2.3	2.5	3.7	1.5	1.2	1.80
MISSISSIPPI																
JACKSON	65	24	.9	1.2	1.6	1.7	1.9	2.0	2.2	2.7	2.8	3.0	3.5	2.2	2.1	1.41

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent								Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MISSOURI KANSAS CITY	65	24	.8	1.2	1.4	1.5	2.2	2.4	2.5	3.1	3.3	4.1	4.4	2.5	2.2	1.60
ST LOUIS	65	25	.8	1.1	1.4	1.8	1.9	2.0	2.5	3.4	4.1	4.7	5.2	2.6	2.2	1.73
MONTANA HELENA	65	22	.4	.4	.5	.6	.8	.9	1.0	1.0	1.2	1.8	2.4	1.0	.9	1.62
NEBRASKA OMAHA	65	25	.5	.7	1.4	1.7	1.8	2.2	2.3	2.9	3.1	4.4	6.2	2.4	2.0	1.82
NEVADA LAS VEGAS	65	26	.2	.6	1.4	1.8	2.0	2.5	3.1	3.3	4.2	4.6	7.1	2.8	2.2	2.26
RENO	65	25	1.4	1.4	1.6	1.9	2.2	2.4	2.5	3.0	3.4	4.2	6.1	2.6	2.4	1.48
NEW HAMPSHIRE CONCORD	65	25	.3	.6	.7	1.0	1.1	1.2	1.4	2.0	2.2	2.8	3.2	1.5	1.2	1.85
NEW JERSEY BRIDGETON	65	24	.8	1.0	1.3	1.5	1.7	2.2	2.5	3.4	3.7	4.4	9.4	2.5	2.2	1.72
GLASSBORO	64	23	.8	.8	1.6	2.3	2.7	3.0	3.4	3.6	3.8	4.4	6.4	2.9	2.5	1.82
	65	24	1.3	1.6	2.0	2.1	2.3	2.7	3.0	3.7	4.1	4.7	6.0	3.0	2.8	1.49
HAMILTON	65	23	1.1	1.8	2.1	2.2	2.5	3.0	3.4	3.4	3.7	4.6	5.0	3.0	2.8	1.43
JERSEY CITY	65	26	.6	.7	1.0	1.5	1.7	2.1	2.4	2.6	3.9	4.2	4.8	2.3	2.0	1.80
JUTLAND	64	20	.8	.8	1.0	1.8	2.0	2.3	2.8	3.4	3.7	3.9	4.9	2.5	2.2	1.89
	65	23	.5	.7	2.0	2.5	2.6	3.0	3.4	3.5	3.6	4.2	5.6	2.9	2.6	1.74
MARLTON	65	22	.7	1.2	1.4	2.3	3.0	3.4	3.7	3.9	4.3	5.2	5.6	3.2	2.8	1.74
NEWARK	65	24	.3	.9	1.2	1.5	2.0	2.2	2.4	3.0	3.3	4.8	6.1	2.5	2.1	1.93
PATERSON	65	24	.3	.5	1.8	2.0	2.3	2.8	3.0	3.5	3.7	4.4	4.9	2.7	2.5	2.00
PEMBERTON	65	26	.8	1.1	1.3	1.7	2.0	2.3	2.8	3.0	3.4	4.2	5.3	2.5	2.2	1.65
PERTH AMBOY	65	24	.4	.9	1.8	1.9	2.0	2.6	3.1	3.5	3.7	3.9	5.2	2.7	2.4	1.75
PRINCETON	65	21	1.0	1.3	1.8	1.9	2.1	2.5	2.8	3.1	3.4	3.9	4.8	2.6	2.4	1.51
NEW YORK NEW YORK CITY	65	24	.6	.8	1.0	1.2	1.6	2.0	2.5	3.0	3.7	4.4	6.0	2.4	2.0	1.90
NORTH CAROLINA CHARLOTTE	65	26	1.0	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.5	3.0	4.0	2.2	2.1	1.30
OHIO AKRON	65	25	.7	1.4	1.9	2.5	2.7	3.0	3.3	4.2	4.7	5.7	6.9	3.3	2.9	1.72
CINCINNATI	65	25	1.7	1.8	2.3	2.7	2.9	3.3	3.8	4.1	4.4	5.0	6.2	3.4	3.2	1.43
CLEVELAND	65	26	.4	.6	.9	1.4	1.9	2.5	3.1	3.3	3.6	3.8	7.0	2.4	2.1	2.10
COLUMBUS	65	25	1.0	2.1	2.3	2.7	2.9	3.4	3.9	5.0	5.3	5.7	8.8	3.8	3.4	1.62
TOLEDO	65	26	1.0	1.3	1.5	2.1	2.2	3.4	4.2	5.1	5.6	6.1	8.2	3.4	3.1	1.84
YOUNGSTOWN	65	26	.9	1.1	1.3	1.7	2.2	2.5	3.0	3.4	4.7	5.0	6.1	2.9	2.5	1.79
OKLAHOMA OKLAHOMA CITY	65	26	.6	1.4	1.5	2.0	2.3	2.5	2.7	2.9	3.2	3.4	4.8	2.5	2.3	1.58
TULSA	65	25	.5	.9	1.4	1.7	1.8	2.0	2.3	2.7	3.0	3.9	4.1	2.2	1.9	1.71
OREGON EUGENE	65	26	.4	.6	.8	1.1	1.2	1.4	1.5	1.6	2.2	2.8	7.0	1.8	1.4	1.86

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter														Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
OREGON (Continued)																
MEDFORD	65	24	1.2	1.5	1.7	2.0	2.2	2.3	2.7	4.2	4.6	5.0	9.3	3.2	2.8	1.70
PORTLAND	65	25	1.9	2.6	3.4	3.8	4.1	4.7	5.6	7.4	11.0	16.3	27.5	7.4	5.6	2.02
PENNSYLVANIA																
ALTOONA	65	21	.8	1.9	2.2	2.4	2.6	3.4	3.7	4.1	4.4	5.0	5.9	3.3	3.0	1.58
BETHLEHEM	65	24	1.4	1.6	2.0	3.5	3.9	4.1	4.2	4.7	5.2	6.1	14.6	4.3	3.8	1.68
EMBREEVILLE	65	24	1.1	1.2	2.0	2.2	2.4	2.5	2.7	2.9	3.9	5.0	6.2	2.9	2.6	1.54
ERIE	65	24	.8	1.2	1.6	1.7	2.3	3.2	3.6	4.2	4.6	5.4	8.1	3.2	2.8	1.76
JOHNSTOWN	65	24	1.2	1.8	2.1	2.2	2.6	3.0	3.2	4.0	4.3	5.0	6.0	3.2	3.0	1.50
LANCASTER	65	25	1.2	1.6	2.0	2.9	3.2	4.0	4.2	4.5	4.8	5.7	7.5	3.6	3.3	1.61
NESHAMINY	65	24	.6	1.0	1.5	1.9	2.1	2.2	2.3	2.8	3.0	3.7	6.8	2.5	2.2	1.58
PHILADELPHIA	65	25	.9	1.1	1.7	2.0	2.3	2.8	3.6	3.7	4.2	5.7	7.6	3.0	2.6	1.75
PIPERSVILLE	65	23	.6	1.0	1.4	1.5	1.6	2.5	2.7	2.9	3.2	4.2	5.3	2.4	2.2	1.69
PITTSBURGH	65	24	1.4	1.4	1.7	1.9	2.3	2.6	2.8	3.9	4.1	4.4	5.4	2.9	2.7	1.52
READING	65	24	.3	.4	1.5	1.7	2.3	2.5	2.7	3.4	3.9	5.0	6.0	2.7	2.2	2.15
WEST CHESTER	65	24		1.0	2.0	2.1	2.3	2.7	2.9	3.2	3.4	5.2	5.5	2.8	2.2	2.52
YORK	65	26	1.4	1.6	2.3	2.8	3.1	3.3	4.4	5.7	6.5	8.0	11.7	4.4	3.8	1.77
PUERTO RICO																
BAYAMON	65	23	.2	.2	.4	.5	.6	.7	.8	.9	1.1	1.4	1.9	.8	.7	1.87
SAN JUAN	65	24	.2	.2	.5	.6	.7	.7	.8	.9	1.0	1.3	1.9	.8	.7	1.70
RHODE ISLAND																
EAST PROVIDENCE	65	24	.7	.9	1.1	1.2	1.6	1.8	2.3	3.2	3.4	4.7	5.3	2.4	2.0	1.83
PROVIDENCE	65	26	.7	1.1	1.4	1.8	1.9	2.0	2.5	2.8	3.3	3.9	5.0	2.4	2.2	1.65
SOUTH CAROLINA																
CHARLESTON	65	25	.8	1.1	1.2	1.3	1.3	1.5	1.6	1.8	2.0	2.8	3.6	1.7	1.6	1.47
SPARTANBURG	65	26	.6	1.2	1.4	1.7	1.9	2.2	2.4	2.5	2.7	2.8	4.1	2.1	2.0	1.55
SOUTH DAKOTA																
SIOUX FALLS	65	26	.2	.6	.8	1.0	1.1	1.4	1.7	1.9	2.6	3.4	3.8	1.7	1.4	2.07
TENNESSEE																
CHATTANOOGA	65	24	.2	1.2	1.5	1.7	1.9	2.1	2.3	3.0	3.3	3.9	5.9	2.4	2.1	1.90
KNOXVILLE	65	25	.8	1.1	1.2	1.5	1.6	1.8	2.0	2.2	2.3	2.6	3.9	1.9	1.8	1.49
MEMPHIS	65	26	1.5	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.4	3.9	7.8	2.9	2.7	1.43
NASHVILLE	65	24	1.4	1.6	2.1	2.3	2.8	2.9	3.0	3.6	3.8	4.4	5.5	3.1	2.9	1.45
TEXAS																
DALLAS	65	26	1.3	1.8	2.2	2.7	2.8	3.0	3.5	3.8	4.4	5.2	5.6	3.3	3.1	1.48
HOUSTON	65	25	1.3	1.4	1.8	2.0	2.3	2.5	2.6	3.0	3.9	5.0	11.1	3.1	2.7	1.64
SAN ANTONIO	65	25	1.3	1.3	1.4	1.7	1.8	2.0	2.2	3.0	3.2	3.9	9.8	2.5	2.2	1.62
UTAH																
SALT LAKE CITY	65	26	.7	1.2	1.3	1.5	1.7	1.9	2.2	2.3	2.6	3.2	8.7	2.3	2.0	1.68
VERMONT																
BURLINGTON	65	25	.4	.8	.9	1.1	1.2	1.9	2.1	2.8	3.4	3.9	6.3	2.2	1.7	2.01

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
VIRGINIA HAMPTON	65	25	.5	.8	1.2	1.4	1.6	1.8	1.9	2.2	2.6	3.0	3.6	1.9	1.7	1.64
LYNCHBURG	65	25	.9	1.1	1.3	1.5	1.6	1.7	1.9	2.5	2.8	3.7	4.4	2.1	1.9	1.52
NORFOLK	65	25	1.0	1.5	1.6	1.8	2.1	2.8	3.2	4.0	4.3	5.0	6.7	3.0	2.6	1.69
PORTSMOUTH	65	26	.5	1.0	1.4	1.7	1.8	2.7	3.1	3.4	3.7	3.9	6.6	2.7	2.3	1.80
RICHMOND	65	25	1.1	1.3	1.6	1.9	2.1	2.4	2.6	3.0	3.2	3.4	4.0	2.4	2.3	1.44
ROANOKE	65	24	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.5	2.6	3.9	5.7	2.4	2.3	1.37
WASHINGTON SEATTLE	65	25	.7	.9	1.1	1.7	1.8	2.0	2.2	2.6	2.8	3.4	3.5	2.0	1.9	1.59
WEST VIRGINIA CHARLESTON	65	25	.2	.4	.6	1.0	1.3	1.4	1.5	1.7	2.0	3.1	3.4	1.5	1.2	2.07
WEIRTON	65	23	1.1	1.6	1.8	1.9	2.2	2.8	3.1	3.3	3.7	4.7	5.1	2.9	2.6	1.50
WHEELING	65	25	1.2	1.4	1.5	1.9	2.0	2.2	2.5	2.9	3.2	3.9	4.3	2.4	2.3	1.44
WISCONSIN KENOSHA	65	25	.7	1.4	1.9	2.0	2.4	2.5	2.8	3.4	3.9	5.4	6.8	3.0	2.6	1.68
MADISON	65	25	.6	.8	1.6	2.0	2.3	2.7	3.1	3.7	4.4	5.0	6.5	3.0	2.5	1.87
MILWAUKEE	65	25	.6	.8	1.0	1.2	1.3	2.6	2.9	3.7	4.1	5.0	7.1	2.6	2.1	2.03
WYOMING CHEYENNE	65	25	.1	.1	.2	.3	.4	.5	.7	.9	1.2	1.6	2.2	.7	.5	2.45

Table 19. NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	65	24	.1	.2	.3	.3	.4	.4	.4	.5	.5	.8	1.3	.5	.4	1.69
CALIFORNIA HUMBOLDT COUNTY	65	24	.1	.2	.3	.4	.5	.6	.6	.9	.9	1.2	1.5	.7	.6	1.86
COLORADO MONTEZUMA COUNTY	65	23		.1	.1	.2	.2	.2	.3	.3	.4	.5	1.0	.3	.3	1.92
DELAWARE KENT COUNTY	65	23	.8	1.0	1.5	1.6	2.0	2.3	2.6	2.9	3.1	3.4	3.6	2.3	2.1	1.54
FLORIDA FLORIDA KEYS	64	21	.1	.2	.3	.3	.4	.5	.6	.8	1.0	1.4	1.8	.7	.6	2.02
IDAHO BUTTE COUNTY	65	25	.1	.1	.2	.2	.2	.3	.3	.4	.5	.7	1.8	.4	.3	1.98
INDIANA PARKE COUNTY	65	25	.2	1.0	1.1	1.2	1.3	2.0	2.3	2.8	3.4	3.8	4.4	2.1	1.8	1.97
IOWA DELAWARE COUNTY	65	25	.2	.4	.7	.9	1.2	1.8	1.9	2.2	2.6	3.0	3.7	1.7	1.3	2.13
MAINE ACADIA NAT PARK	65	22	.2	.2	.3	.4	.6	.8	.9	1.0	1.6	1.9	2.5	.9	.7	2.12
MARYLAND CALVERT COUNTY	65	26	.3	1.1	1.2	1.3	1.3	1.4	2.2	2.3	2.7	2.8	3.1	1.8	1.6	1.75
MISSISSIPPI JACKSON COUNTY	65	25	.5	1.0	1.1	1.3	1.5	1.6	1.7	2.1	2.3	3.7	8.1	2.0	1.7	1.79
MISSOURI SHANNON COUNTY	65	26	.6	.8	1.0	1.3	1.4	1.6	1.9	2.3	2.5	3.0	3.2	1.8	1.6	1.64
MONTANA GLACIER NAT PARK	65	23	.1		.1	.1	.1	.1	.2	.2	.2	.3	.6	.2	.2	1.70
NEBRASKA THOMAS COUNTY	65	26	.2	.2	.2	.3	.5	.6	.7	.8	.9	1.0	2.3	.7	.6	1.93
NEVADA WHITE PINE CO	65	23	.1	.1	.1	.2	.2	.3	.3	.4	.5	.6	1.0	.4	.3	1.86
NEW HAMPSHIRE COOS COUNTY	65	23	.2	.3	.3	.3	.6	.7	.8	1.0	1.4	2.3	3.6	1.1	.8	2.07
NEW MEXICO RIO ARRIBA COUNTY	65	25	.1	.1	.1	.2	.2	.2	.3	.3	.4	.5	.7	.3	.3	1.73
NEW YORK CAPE VINCENT	65	25	.4	.6	.8	1.3	2.0	2.4	2.6	3.5	3.8	4.4	4.9	2.5	1.9	2.18
NORTH CAROLINA CAPE HATTERAS	65	25	.4	.6	.8	.9	1.1	1.4	1.7	1.9	2.6	4.4	6.8	1.9	1.5	2.00
OKLAHOMA CHEROKEE COUNTY	65	26	.1	.4	.6	.7	.8	.8	.9	1.0	1.3	1.7	3.2	1.0	.9	1.97
OREGON CURRY COUNTY	65	24	.1		.1	.2	.3	.3	.3	.4	.4	.5	.8	.3	.3	1.91
PENNSYLVANIA CLARION COUNTY	65	25	.3	.5	.9	1.3	1.4	1.6	1.9	2.0	2.7	3.7	4.1	1.8	1.5	2.04
RHODE ISLAND WASHINGTON CO	65	26	.7	.9	1.1	1.4	1.7	1.9	2.0	2.9	3.7	4.2	6.8	2.5	2.1	1.84

Table 19 (continued). NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	65	26	.1	.1	.1	.2	.2	.2	.3	.3	.3	.4	1.3	.3	.3	1.80
TEXAS MATAGORDA COUNTY	65	25	.4	.5	.6	1.1	1.3	1.8	2.0	2.6	2.9	5.7	6.4	2.2	1.6	2.23
VERMONT ORANGE COUNTY	65	24	.5	.5	.9	1.0	1.2	1.3	1.4	1.6	1.9	3.9	4.7	1.6	1.4	1.76
VIRGINIA SHENANDOAH PARK	65	25	.3	.7	.8	1.1	1.3	1.5	1.6	1.8	2.0	2.6	3.5	1.6	1.4	1.75
WISCONSIN DOOR COUNTY	65	21	.2	.2	.3	.4	.5	.6	1.2	1.8	2.3	4.4	5.9	1.5	.9	2.97
WYOMING YELLOWSTONE PARK	65	24			.1	.1	.1	.1	.2	.2	.3	.4	1.0	.2	.2	2.13

Table 20. SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter														Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM	65	24	1.6	3.8	6.2	8.6	10.8	12.0	13.4	15.0	15.8	19.7	27.9	12.2	10.4	1.89
HUNTSVILLE	65	26	3.7	4.5	4.9	5.6	6.2	6.9	7.6	8.3	12.0	14.1	20.8	8.5	7.5	1.62
MONTGOMERY	65	25	2.0	2.7	3.5	4.7	5.0	5.6	6.2	8.6	10.2	12.0	20.9	7.1	5.9	1.85
ARIZONA PARADISE VALLEY	65	26	.8	1.0	1.5	2.4	2.6	3.0	3.6	4.2	5.3	6.8	8.6	3.5	2.9	1.94
PHOENIX	65	26	1.2	1.4	2.0	2.2	2.3	3.0	3.8	5.0	6.2	10.2	13.9	4.5	3.5	2.01
TUCSON	65	25	.9	1.8	2.0	2.3	3.0	3.4	3.5	3.8	4.3	5.8	8.0	3.4	3.1	1.59
CALIFORNIA GLENDALE	65	26	2.7	3.8	5.5	6.2	7.6	8.3	9.6	9.9	12.0	16.7	49.5	10.5	8.5	1.87
LONG BEACH	65	25	6.9	7.3	8.6	9.4	9.9	14.6	15.7	18.2	20.6	23.2	41.9	14.9	13.3	1.61
LOS ANGELES	65	21	5.8	6.2	9.0	9.8	10.6	11.6	12.4	13.3	14.1	27.4	40.7	14.4	12.5	1.69
OAKLAND	63	24	5.1	5.8	6.8	7.3	7.9	8.2	8.6	10.7	11.6	19.7	32.8	10.4	9.3	1.57
SAN DIEGO	65	25	3.7	4.5	4.8	5.3	6.4	7.1	7.7	9.4	12.0	14.1	16.8	8.2	7.4	1.54
SAN FRANCISCO	65	26	1.2	2.3	3.4	3.8	4.0	4.4	4.9	5.3	10.2	14.1	38.4	7.2	5.2	2.14
COLORADO DENVER	65	24	1.7	1.8	2.2	2.4	2.9	3.2	3.8	5.0	5.3	6.2	17.6	4.7	3.7	1.88
CONNECTICUT HARTFORD	65	25	3.2	5.8	6.6	8.0	9.4	14.1	15.8	17.9	19.1	25.3	30.4	13.8	11.7	1.83
NEW BRITAIN	65	26	1.4	3.8	4.5	6.2	6.9	8.6	14.1	15.8	18.7	23.2	26.1	11.6	9.2	2.11
NEW HAVEN	65	24	4.7	6.8	14.6	15.7	18.2	20.1	20.8	21.8	22.5	27.4	42.4	18.7	17.0	1.62
NORWICH	65	24	3.9	5.3	6.9	7.6	8.6	10.2	12.0	14.1	16.7	21.5	40.8	12.5	10.8	1.72
WATERBURY	65	26	4.2	5.8	7.6	8.3	9.4	14.8	16.7	21.5	24.0	25.7	27.5	14.9	12.6	1.83
DELAWARE NEWARK	65	24	5.6	6.5	7.3	8.2	9.0	9.4	9.8	10.8	12.0	15.4	18.5	10.1	9.7	1.34
WILMINGTON	65	23	9.6	10.8	13.1	14.6	15.7	17.3	18.5	19.7	21.5	25.3	30.3	17.4	16.7	1.35
DIST. OF COL. WASHINGTON	65	24	7.8	8.6	11.4	13.1	14.8	15.6	16.3	18.2	19.7	21.8	21.1	15.4	14.8	1.33
FLORIDA FORT LAUDERDALE	64	21	2.3	2.2	2.4	2.7	2.9	3.2	3.8	4.8	5.3	5.9	9.9	3.9	3.6	1.47
GEORGIA ATLANTA	65	24	4.2	4.5	5.5	6.0	7.5	8.0	8.4	9.7	10.6	11.6	16.8	8.2	7.7	1.41
HAWAII HONOLULU	65	25	3.6	3.8	4.1	4.5	4.8	5.2	5.5	6.2	6.8	7.7	8.6	5.4	5.2	1.29
IDAHO BOISE	65	25	.9	2.0	2.3	2.7	3.0	3.4	3.7	4.3	4.9	6.8	10.0	3.8	3.4	1.60
ILLINOIS CHICAGO	65	24	5.1	6.2	8.0	10.2	14.1	15.8	17.7	20.9	23.2	25.7	25.3	15.9	14.2	1.67
EAST ST LOUIS	65	24	5.1	5.0	8.6	10.2	14.5	15.4	16.3	18.7	20.9	25.3	34.1	15.3	13.4	1.73
JOLIET	65	23	4.5	6.2	8.6	11.4	12.3	13.4	14.1	15.8	17.3	19.1	21.3	13.2	12.4	1.48

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
[illegible] (continued)																
ROCKFORD	65	26	2.5	3.8	4.3	5.8	6.8	7.8	8.6	9.1	9.7	10.2	14.1	7.5	6.8	1.57
SPRINGFIELD	65	25	3.3	4.5	4.9	5.8	6.8	7.7	8.4	9.1	10.2	12.7	13.3	7.8	7.2	1.49
INDIANA																
BEVERLY SHORES	64	26	3.7	4.3	5.3	6.6	7.3	8.0	8.6	9.4	11.1	13.1	29.6	8.9	8.0	1.58
	65	25	3.3	3.9	4.2	4.7	5.1	6.4	6.7	7.1	8.0	12.0	14.9	6.5	6.0	1.48
DUNES POLICE POST	65	23	3.6	4.2	5.0	6.2	6.8	7.6	8.3	9.0	9.8	12.0	20.1	8.1	7.5	1.50
DUNES STATE PARK	65	23	3.3	3.6	4.2	4.5	4.9	5.8	6.6	7.3	8.6	14.1	18.0	7.2	6.4	1.61
EAST CHICAGO	65	25	6.5	8.6	12.0	14.1	15.8	17.7	18.7	21.5	23.9	26.0	26.5	17.4	16.3	1.47
HAMMOND	65	25	5.3	6.9	8.0	9.7	10.8	12.7	14.1	18.7	20.3	22.0	25.0	13.6	12.4	1.57
INDIANAPOLIS	65	25	4.8	7.3	8.6	9.8	11.1	12.8	13.7	15.8	17.5	19.7	22.6	12.8	11.9	1.49
OGDEN DUNES	65	24	3.5	4.7	5.3	5.9	6.9	7.6	8.3	9.2	9.9	12.0	14.6	7.8	7.4	1.43
PORTAGE	64	26	3.1	4.0	4.3	5.3	5.9	6.9	8.2	9.0	10.2	11.4	14.2	7.5	6.9	1.53
SOUTH BEND	65	23	3.4	4.9	6.9	8.0	9.4	12.0	15.4	18.7	21.5	27.4	121.0	19.6	13.1	2.27
IOWA																
CEDAR RAPIDS	65	26	1.1	2.9	3.2	4.0	4.5	5.5	6.0	7.3	10.8	12.0	17.4	7.0	5.7	1.93
DES MOINES	65	25	.5	2.3	3.2	4.8	5.3	6.4	6.9	8.0	9.0	10.2	17.3	6.7	5.5	2.09
KANSAS																
TOPEKA	65	25	1.3	1.6	2.0	2.7	3.0	3.8	4.3	4.8	5.1	8.6	23.8	4.7	3.6	1.93
WICHITA	65	26	1.6	1.9	2.1	2.3	2.7	3.4	3.8	4.2	5.8	7.3	14.5	4.1	3.5	1.74
KENTUCKY																
LEXINGTON	65	24	3.6	4.5	5.5	6.0	6.9	7.7	8.6	9.8	12.0	14.1	23.8	8.9	8.0	1.57
LOUISVILLE	65	25	6.3	8.0	9.7	10.6	11.3	12.3	12.8	13.3	13.8	15.8	26.7	12.1	11.7	1.33
LOUISIANA																
NEW ORLEANS	65	23	4.5	5.3	5.8	6.4	6.9	7.6	8.1	9.4	10.7	12.0	20.6	8.5	7.9	1.46
SHREVEPORT	65	26	2.2	2.7	3.6	4.9	5.6	6.5	7.3	9.1	11.1	16.7	28.9	8.6	6.8	1.90
MAINE																
PORTLAND	65	22	4.8	5.0	6.2	9.0	9.8	10.4	10.9	11.5	12.0	14.1	32.8	10.6	9.7	1.52
MARYLAND																
BALTIMORE	65	26	6.7	7.5	8.9	9.9	11.1	13.4	16.7	18.7	22.0	29.9	36.5	16.0	14.2	1.65
MASSACHUSETTS																
BROCKTON	65	24	5.1	5.8	7.3	8.8	9.2	9.6	9.9	13.1	15.0	18.2	31.1	11.2	10.2	1.54
LAWRENCE	65	23	3.6	5.8	6.9	7.7	8.6	10.2	11.1	12.0	15.4	18.2	28.9	10.9	9.6	1.57
MICHIGAN																
DETROIT	65	24	6.9	7.7	10.2	10.9	12.0	13.1	14.1	16.7	20.6	23.2	29.1	14.8	13.8	1.48
FLINT	65	25	2.6	3.8	4.3	4.8	5.1	6.6	7.3	8.6	10.2	12.0	14.2	7.0	6.4	1.55
GRAND RAPIDS	65	23	3.2	3.8	6.2	8.2	9.4	12.0	12.8	13.7	15.4	19.7	25.6	11.7	10.3	1.72
TRENTON	65	25	5.5	7.6	8.3	9.7	10.4	11.0	11.4	12.0	15.0	20.9	22.7	11.8	11.1	1.41
MINNESOTA																
MINNEAPOLIS	65	25	2.2	2.9	3.2	3.8	4.3	5.3	6.9	8.2	8.9	9.9	10.4	5.9	5.3	1.64
ST PAUL	65	26	1.7	1.9	2.7	3.8	4.3	5.5	6.0	6.6	8.6	9.7	16.6	5.7	4.9	1.81

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MISSISSIPPI JACKSON	65	24	1.6	2.2	2.7	3.0	3.8	4.4	4.9	5.0	5.3	7.3	14.6	4.9	4.1	1.59
MISSOURI KANSAS CITY	65	24	3.0	3.5	4.3	4.7	5.1	5.8	6.8	7.8	8.3	11.1	19.6	6.7	6.1	1.53
ST LOUIS	65	25	5.8	10.2	11.4	12.7	13.4	15.0	16.7	18.2	19.2	25.2	29.4	15.2	14.6	1.48
MONTANA HELENA	65	22	1.8	2.2	2.7	3.6	4.0	4.3	4.7	5.0	5.8	10.2	12.5	4.9	4.3	1.64
NEBRASKA OMAHA	65	25	2.8	3.1	3.3	4.5	4.9	5.5	6.0	6.9	8.0	10.2	14.8	6.2	5.6	1.58
NEVADA LAS VEGAS	65	26	2.9	3.2	3.4	3.8	4.8	5.3	6.0	6.3	7.4	8.6	11.9	5.6	5.3	1.47
RENO	65	25	2.3	3.5	3.8	4.2	4.5	5.3	6.4	7.8	8.3	11.1	15.4	6.3	5.7	1.58
NEW HAMPSHIRE CONCORD	65	25	2.8	3.4	3.7	4.2	4.5	5.1	5.5	6.0	8.8	11.4	12.2	6.0	5.5	1.50
NEW JERSEY BRIDGETON	65	24	3.6	4.5	6.2	6.6	7.3	8.2	9.1	10.8	12.0	16.7	23.4	9.6	8.7	1.56
GLASSBORO	64 65	23 24	3.4 4.9	4.5 5.3	6.8 6.6	8.6 7.3	9.1 7.8	9.7 8.1	10.4 8.9	10.9 9.6	11.6 10.2	14.1 13.1	20.8 16.1	9.8 8.6	9.2 8.2	1.33 1.35
HAMILTON	65	23	6.6	7.7	9.4	10.8	12.0	15.0	16.7	17.9	19.1	27.4	30.9	15.9	14.3	1.59
JERSEY CITY	65	26	7.8	10.2	11.1	13.1	14.8	16.7	21.1	22.5	33.3	35.8	38.8	20.3	18.0	1.65
JUTLAND	64 65	20 23	5.2 5.2	6.2 5.6	7.3 6.3	8.6 6.8	9.7 7.1	10.6 8.2	11.3 9.0	12.0 9.8	13.1 10.8	14.1 14.1	21.1 20.4	10.8 9.3	10.2 8.8	1.41 1.43
MARLTON	65	22	5.3	5.6	6.2	7.0	8.6	9.4	10.2	11.4	15.4	18.2	20.1	10.5	9.6	1.39
NEWARK	65	24	7.3	8.0	12.0	13.1	14.6	15.1	15.7	16.7	21.5	26.0	33.8	16.3	15.2	1.46
PATERSON	65	24	9.3	10.2	13.6	14.6	16.2	17.5	19.0	23.2	29.3	32.3	42.6	19.8	18.4	1.47
PEMBERTON	65	26	5.1	6.4	6.8	7.3	7.7	8.4	9.4	10.2	13.4	15.0	21.4	9.8	9.2	1.46
PERTH AMBOY	65	24	10.9	12.7	14.8	16.1	18.2	19.7	22.0	24.9	28.6	30.1	51.7	22.3	20.7	1.46
PRINCETON	65	21	2.1	6.6	7.3	7.8	8.3	10.7	11.6	13.1	15.0	16.7	21.2	11.0	9.9	1.64
NEW YORK NEW YORK CITY	65	24	9.0	12.0	14.1	19.7	21.8	23.2	27.4	36.2	40.4	53.0	70.1	28.8	25.1	1.72
NORTH CAROLINA CHARLOTTE	65	26	5.0	5.8	6.4	7.1	7.5	8.0	8.8	9.4	10.8	12.0	20.2	9.0	8.5	1.40
OHIO AKRON	65	25	5.8	7.7	8.6	12.0	14.6	16.2	17.3	19.1	21.5	25.5	27.9	15.6	14.3	1.54
CINCINNATI	65	25	8.2	10.2	10.7	11.3	11.8	12.7	13.4	14.8	16.1	19.7	24.4	13.6	13.1	1.30
CLEVELAND	65	26	7.0	8.6	11.4	12.7	13.4	14.6	16.4	17.7	20.9	23.2	33.0	15.9	15.0	1.44
COLUMBUS	65	25	4.6	6.8	7.7	9.0	9.8	11.4	12.3	14.1	17.3	19.7	20.6	12.0	11.2	1.51
TOLEDO	65	26	6.7	7.7	8.6	9.6	10.2	12.0	13.6	14.6	16.4	18.2	39.4	13.4	12.1	1.52
YOUNGSTOWN	65	26	6.6	9.4	10.6	11.6	14.3	15.8	17.3	18.5	20.6	22.3	27.0	15.8	14.9	1.44
OKLAHOMA OKLAHOMA CITY	65	26	2.4	3.3	3.6	3.9	4.2	4.5	5.3	6.8	8.2	9.1	14.9	5.7	5.1	1.56
TULSA	65	25	3.2	4.0	4.3	4.8	5.0	5.8	6.3	7.3	8.2	9.7	11.1	6.1	5.8	1.38

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
OREGON EUGENE	65	26	2.4	2.7	3.2	3.6	3.8	4.3	4.8	5.0	5.8	7.3	13.7	4.9	4.5	1.52
MEDFORD	65	24	2.2	2.8	2.9	3.2	3.6	3.8	4.3	6.2	7.3	14.1	22.9	6.2	4.9	1.83
PORTLAND	65	25	3.3	5.3	5.9	8.9	9.4	10.2	11.4	14.1	15.8	18.7	32.5	11.8	10.1	1.66
PENNSYLVANIA ALTOONA	65	21	5.3	6.2	8.6	10.2	11.1	12.5	13.6	14.7	16.7	24.6	27.2	14.0	12.9	1.57
BETHLEHEM	65	24	7.0	9.4	13.1	15.4	17.7	18.7	18.7	21.5	22.6	27.4	31.1	18.3	17.2	1.46
[illegible]	65	24	3.6	4.5	5.7	6.0	6.8	7.3	7.8	8.6	9.7	14.1	22.1	8.3	7.6	1.49
ERIE	65	24	6.4	6.6	7.3	8.6	11.4	12.4	13.5	15.4	17.3	18.7	27.9	12.0	11.0	1.50
JOHNSTOWN	65	24	7.4	8.6	11.1	12.0	13.3	14.1	14.6	16.0	16.7	23.2	26.4	14.0	13.2	1.37
LANCASTER	65	25	7.0	8.6	9.4	11.1	12.7	15.4	17.8	18.1	20.8	25.3	33.6	15.7	14.4	1.52
[illegible]	65	26	7.2	8.0	10.7	11.6	13.6	15.0	16.7	20.4	21.8	25.3	46.9	17.3	15.8	1.63
PHILADELPHIA	65	25	11.1	14.1	18.1	16.7	21.5	25.3	27.4	31.1	33.3	36.2	37.6	26.3	22.7	1.46
PIPERSVILLE	65	25	4.8	5.8	8.0	9.0	9.8	12.0	13.4	15.0	16.7	21.3	24.2	12.6	11.4	1.56
PITTSBURGH	65	24	5.3	8.6	9.6	11.1	13.6	14.6	15.7	17.7	18.7	24.6	29.2	15.0	13.9	1.49
READING	65	24	8.2	9.6	10.2	13.1	13.8	17.7	18.7	22.3	24.3	27.4	34.7	17.7	16.2	1.56
WEST CHESTER	65	24	5.2	6.2	6.6	7.3	8.3	9.1	10.4	11.3	12.9	16.7	22.3	10.2	9.3	1.43
YORK	65	26	7.6	8.3	9.4	10.9	11.6	13.4	15.6	18.2	22.0	24.3	26.9	15.1	14.0	1.49
PUERTO RICO BAYAMON	65	23	2.9	5.6	7.3	8.2	9.1	10.6	11.8	12.0	18.7	25.3	27.1	12.8	11.0	1.78
SAN JUAN	65	24	3.2	3.4	3.9	4.2	4.7	5.1	5.3	6.0	6.6	8.2	14.1	5.8	5.4	1.42
RHODE ISLAND EAST PROVIDENCE	65	24	3.1	3.5	4.6	5.3	7.3	8.2	9.4	11.1	12.9	17.7	18.6	9.2	8.0	1.68
PROVIDENCE	65	26	4.4	9.1	10.2	11.3	12.0	13.6	14.6	15.6	16.7	16.7	26.5	14.1	13.1	1.40
SOUTH CAROLINA CHARLESTON	65	43	4.1	4.7	5.4	6.4	6.6	7.7	8.6	10.2	11.1	14.1	40.6	8.7	7.9	1.54
SPARTANBURG	65	26	3.0	5.3	5.6	6.6	7.3	8.3	9.1	9.7	11.1	12.7	18.4	8.5	8.0	1.46
SOUTH DAKOTA SIOUX FALLS	65	26	1.1	1.4	1.7	2.3	4.6	5.0	6.4	6.8	7.8	8.6	10.3	5.8	5.2	1.82
TENNESSEE CHATTANOOGA	65	24	3.1	4.3	6.5	7.0	8.2	8.9	9.6	10.7	11.6	14.1	17.6	9.2	8.6	1.50
KNOXVILLE	65	25	3.8	6.2	7.3	8.1	8.6	10.7	11.6	12.0	14.1	16.7	18.6	10.6	9.9	1.50
MEMPHIS	65	26	3.0	5.3	5.8	6.3	6.9	7.3	8.0	8.6	10.2	11.1	18.7	8.6	7.9	1.50
NASHVILLE	65	24	4.3	4.9	6.2	7.3	7.8	8.6	8.6	11.1	12.7	15.4	17.4	9.4	8.8	1.46
TEXAS DALLAS	65	26	2.6	3.3	3.9	4.4	4.6	5.0	5.3	5.9	6.8	7.3	22.5	5.8	5.3	1.49
HOUSTON	65	25	1.3	3.6	4.2	4.6	5.3	5.6	6.2	6.6	10.2	14.1	16.0	7.0	6.1	1.74
SAN ANTONIO	65	25	1.6	2.4	2.5	2.7	3.0	3.6	3.9	4.3	4.5	5.3	9.3	3.6	3.4	1.36
UTAH SALT LAKE CITY	65	26	2.6	3.4	3.6	4.3	4.7	5.1	5.6	6.2	8.9	14.1	30.2	8.2	6.2	1.88
VERMONT BURLINGTON	65	25	3.1	4.3	5.3	6.0	6.4	7.1	7.6	8.6	9.7	11.4	13.9	7.6	7.1	1.44

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
VIRGINIA HAMPTON	63	29	3.7	3.9	5.6	6.2	6.4	7.1	7.7	9.1	11.2	14.7	18.2	8.4	7.7	1.58
LYNCHBURG	63	29	3.3	5.3	6.2	6.9	7.3	8.1	8.9	10.8	12.4	16.2	22.2	9.6	8.7	1.58
NORFOLK	63	29	6.0	8.6	9.4	10.6	11.3	12.7	14.1	16.2	25.6	27.6	29.8	14.7	13.4	1.59
PORTSMOUTH	63	26	2.6	4.9	5.8	7.3	7.8	8.6	12.0	13.4	17.8	19.7	28.1	11.2	9.3	1.79
RICHMOND	63	29	6.0	6.9	7.7	9.2	9.6	10.4	11.6	14.1	17.8	19.7	28.8	12.1	11.2	1.48
ROANOKE	63	24	4.3	4.3	4.6	5.1	6.2	6.9	8.4	9.4	11.2	13.0	18.2	7.9	7.2	1.46
WASHINGTON SEATTLE	63	29	4.0	5.1	5.4	5.7	5.9	6.2	6.9	7.0	7.9	14.1	18.9	7.6	6.9	1.40
WEST VIRGINIA CHARLESTON	63	29	4.9	6.6	7.3	10.2	12.0	14.6	16.1	21.9	25.2	27.6	43.6	16.2	13.8	1.77
HUNTINGTON	63	29	6.2	7.3	8.7	12.0	12.6	13.9	14.1	15.1	16.6	18.7	19.4	13.2	12.7	1.36
WHEELING	63	29	5.3	6.6	10.2	11.9	12.0	14.1	15.0	16.9	18.7	23.2	35.3	14.1	12.8	1.59
WISCONSIN KENOSHA	63	26	4.3	4.9	5.0	6.2	7.6	8.4	9.4	10.2	14.9	16.1	19.9	8.8	8.1	1.51
MADISON	63	29	4.2	4.7	5.0	6.2	8.3	9.2	9.9	11.4	14.9	16.1	19.8	8.8	8.2	1.39
MILWAUKEE	63	49	5.2	5.9	6.2	7.3	8.2	9.4	10.9	12.3	12.8	15.6	18.4	9.6	9.0	1.44
WYOMING CHEYENNE	63	29	.7	.8	1.6	1.6	1.8	1.9	2.3	3.3	3.6	4.8	6.8	2.8	2.2	1.79

Table 21. SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter														Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	65	26	1.2	1.4	1.7	1.8	1.8	1.9	2.0	2.2	4.3	5.8	6.4	2.8	2.1	1.84
CALIFORNIA HUMBOLDT COUNTY	65	26	1.4	2.1	2.4	2.6	3.0	3.4	3.7	4.2	4.5	5.9	7.4	3.9	3.5	1.47
COLORADO MONTEZUMA COUNTY	65	23	.8	.8	1.8	2.1	2.3	2.4	2.6	3.0	3.6	3.7	4.0	2.8	2.6	1.54
DELAWARE KENT COUNTY	65	23	4.3	4.6	6.3	7.3	7.7	8.6	9.8	10.2	11.1	15.1	23.1	8.8	8.7	1.51
FLORIDA FLORIDA KEYS	64	21	2.3	2.2	2.4	2.7	2.8	3.2	3.6	4.8	5.3	5.8	6.6	3.6	3.6	1.47
IDAHO BUTTE COUNTY	65	22	1.1	1.4	1.8	1.8	2.2	2.4	2.3	2.5	2.7	3.7	4.6	2.4	2.3	1.38
INDIANA PARKE COUNTY	65	23	1.3	4.3	6.2	6.7	7.2	7.3	7.6	8.4	9.4	10.6	14.6	6.8	7.8	1.68
IOWA DELAWARE COUNTY	65	26	1.0	1.9	3.2	4.2	4.7	5.1	6.6	8.7	7.2	8.6	10.1	5.6	4.7	1.66
MAINE ACADIA NAT PARK	65	22	1.6	2.0	2.4	3.3	3.6	4.9	6.6	7.8	12.0	14.1	16.6	6.9	5.8	2.05
MARYLAND CALVERT COUNTY	65	26	4.4	5.6	6.8	7.6	8.3	9.4	12.0	14.1	16.1	16.7	26.6	11.6	10.4	1.61
MISSISSIPPI JACKSON COUNTY	65	25	2.3	3.4	4.2	4.6	5.3	5.7	5.4	6.6	7.6	8.1	8.9	5.7	5.6	1.36
MISSOURI SHANNON COUNTY	65	26	2.6	3.4	3.8	4.2	4.4	4.4	5.3	6.2	6.6	7.7	12.6	5.3	5.2	1.56
MONTANA GLACIER NAT PARK	65	20	2.2	2.3	2.6	2.6	2.6	3.1	3.4	3.6	4.2	4.6	5.1	3.4	3.3	1.33
NEBRASKA THOMAS COUNTY	65	26	2.1	2.4	2.7	3.2	3.1	3.4	3.7	3.6	4.2	4.3	5.6	3.5	3.4	1.29
NEVADA WHITE PINE CO	65	23	2.2	2.3	2.6	3.1	3.3	3.5	3.6	3.7	4.2	4.6	4.6	3.6	3.6	1.24
NEW HAMPSHIRE COOS COUNTY	65	23	1.6	2.5	3.4	3.8	4.3	5.3	5.6	6.2	7.6	10.2	17.1	6.1	5.2	1.74
NEW MEXICO RIO ARRIBA COUNTY	65	25	.7	1.2	1.4	1.6	1.8	2.0	2.3	2.6	3.1	3.6	5.4	2.4	2.1	1.61
NEW YORK CAPE VINCENT	65	23	3.6	4.3	4.5	6.9	7.3	8.4	12.0	13.8	14.1	18.2	24.6	10.2	8.7	1.78
NORTH CAROLINA CAPE HATTERAS	65	23	4.2	2.7	5.3	6.3	8.6	9.8	12.6	11.1	11.7	18.7	21.6	9.2	7.8	1.88
OKLAHOMA CHEROKEE COUNTY	65	26	1.6	1.8	2.1	2.3	2.6	3.6	3.7	4.2	4.2	5.3	17.7	4.6	3.4	1.83
OREGON CURRY COUNTY	65	26	1.3	1.4	2.3	2.6	3.2	3.1	3.6	4.7	4.3	6.2	13.6	3.8	3.4	1.62
PENNSYLVANIA CLARION COUNTY	65	25	1.7	5.6	4.2	6.6	7.6	8.3	9.1	11.1	13.1	16.7	16.6	6.2	7.6	1.79
RHODE ISLAND WASHINGTON CO	65	26	3.9	4.3	5.0	6.0	6.6	7.1	10.6	12.2	13.6	16.7	40.6	13.6	9.1	2.22

Table 21 (continued). SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	69	26	1.4	1.4	1.6	1.7	1.8	2.0	2.4	2.5	4.7	5.0	5.4	2.2	2.1	1.50
TEXAS MATAGORDA COUNTY	69	23	1.3	1.4	2.2	2.7	3.0	3.5	4.0	4.5	5.1	6.0	7.0	3.7	3.3	1.67
VERMONT ORANGE COUNTY	69	24	3.2	3.4	4.0	4.5	4.6	5.2	5.6	6.6	7.3	11.1	13.6	6.2	5.7	1.50
VIRGINIA SHENANDOAH PARK	69	25	1.3	3.0	3.4	4.0	4.3	5.1	5.5	6.2	8.0	12.0	18.3	6.1	5.3	1.72
WISCONSIN DOOR COUNTY	69	21	1.5	1.6	1.8	2.7	3.0	4.4	6.6	7.3	8.7	10.2	11.6	5.2	4.3	1.88
WYOMING YELLOWSTONE PARK	69	24		.3	.8	.9	1.3	1.4	1.7	2.0	2.0	3.3	4.0	1.7	1.3	2.14

Table 22. ANTIMONY, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	.000	.000	.000	.000	.000
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA						
PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.000	.000	.000	.000	.000
ARKANSAS						
TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA						
BAKERSFIELD	64	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.000	.000	.000
MONTEREY	64	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT						
BRIDGEPORT	62	.000	.000	.000	.000	.000
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA						
ATLANTA	65	.000	.000	.000	.000	.000
IDAHO						
BOISE	65	.000	.000	.000	.000	.000
ILLINOIS						
MOLINE	64	.000	.000	.000	.000	.000
ROCK ISLAND	64	.000	.000	.000	.000	.000
INDIANA						
BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.000	.000
IOWA						
DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY						
ASHLAND	64	.000	.000	.000	.000	.000
COVINGTON	64	.000	.000	.000	.000	.000
MARYLAND						
BALTIMORE	65	.000	.000	.000	.000	.000
MASSACHUSETTS						
BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000		
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN						
KALAMAZOO	60	.000	.000	.000	.000	.000
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA						
MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA						
LINCOLN	62	.000	.000	.000	.000	.000
NEW JERSEY						
BAYONNE	65	.000	.000			
BRIDGETON	65	.000	.000	.000	.000	.000
NEW MEXICO						
ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO						
AKRON	65	.000	.000	.000	.000	.000
PENNSYLVANIA						
ALLENTOWN	65	.000	.000		.000	
ALTOONA	65	.000	.000	.000	.000	.000
BETHLEHEM	65	.000	.000	.000	.000	.000
PUERTO RICO						
BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA						
PORTSMOUTH	65	.000	.000	.000	.000	.000
RICHMOND	65	.000	.000	.000	.000	.000

Table 23. ANTIMONY, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m^3)
		Collected	Above Detectable Quantity	
CALIFORNIA				
SAN BERNARDINO	63	27	0	
FLORIDA				
TAMPA	63	23	0	
INDIANA				
HAMMOND	63	26	0	
INDIANAPOLIS	64	26	0	
KANSAS				
WICHITA	64	25	0	
MINNESOTA				
MINNEAPOLIS	64	26	0	
NEW MEXICO				
ALBUQUERQUE	63	25	0	
NEW YORK				
NEW YORK	57	25	0	
ROCHESTER	60	26	2	.068
OHIO				
YOUNGSTOWN	62	25	0	
YOUNGSTOWN	63	26	0	
OREGON				
PORTLAND	63	20	0	
PORTLAND	64	25	1	.085
PENNSYLVANIA				
JOHNSTOWN	63	23	0	
TENNESSEE				
MEMPHIS	64	24	1	.042
NASHVILLE	64	26	0	
TEXAS				
HOUSTON	64	24	2	.062
UTAH				
SALT LAKE CITY	64	24	0	

Table 24. ANTIMONY, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000	0.006	0.000	0.000	0.002
MARICOPA CO	65	0.000	0.000	0.000	0.000	0.000
ARKANSAS MONTGOMERY CO	65	0.000	0.000	0.000	0.006	0.002
CALIFORNIA HUMBOLDT CO	65	0.000	0.000	0.000	0.000	0.000
COLORADO MONTEZUMA CO	65	0.000	0.000	0.000	0.000	0.000
INDIANA PARKE CO	65	0.000	0.000	0.000	0.000	0.000
IOWA DELAWARE CO	65	0.000	0.000	0.000	0.000	0.000
MAINE ACADIA NATL PK	65	0.000	0.000	0.000	0.000	0.000
MARYLAND CALVERT CO	65	0.000	0.000	0.000	0.000	0.000
MISSISSIPPI JACKSON CO	65	0.000	0.000	0.000	0.000	0.000
MISSOURI SHANNON CO	65	0.000	0.000	0.000	0.000	0.000
MONTANA GLACIER NATL PK	65	0.000	0.000	0.000	0.000	0.000
NEBRASKA THOMAS CO	65	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	65	0.000	0.000	0.000	0.000	0.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW HAMPSHIRE COOS CO	65	0.000	0.000	0.000	0.000	0.000
NEW MEXICO RIO ARRIBA CO	65	0.000	0.000	0.000	0.005	0.001
NEW YORK CAPE VINCENT	65	0.000	0.000	0.000	0.000	0.000
NORTH CAROLINA CAPE HATTERAS	65	0.000	0.000	0.000	0.000	0.000
OKLAHOMA CHEROKEE CO	65	0.000	0.000	0.000	0.000	0.000
OREGON CURRY CO	65	0.000	0.000	0.000	0.000	0.000
PENNSYLVANIA CLARION CO	65	0.000	0.000	0.000	0.000	0.000
RHODE ISLAND WASHINGTON CO	65	0.000	0.000	0.000	0.000	0.000
SOUTH CAROLINA RICHLAND CO	65	0.000	0.000	0.000	0.000	0.000
SOUTH DAKOTA BLACK HILLS	65	0.000	0.000	0.000	0.000	0.000
TEXAS MATAGORA CO	65	0.000	0.000	0.000	0.000	0.000
VERMONT ORANGE CO	65	0.000	0.000	0.000	0.000	0.000
VIRGINIA SHENANDOAH PK	65	0.000	0.000	0.000	0.000	0.000
WISCONSIN DOOR CO	65	0.000	0.000	0.000	0.000	0.000
WYOMING YELLOWSTONE PK	65	0.000	0.000	0.000	0.000	0.000

Table 25. BERYLLIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000
GADSDEN	66	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	66	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.000	.000	.000	.000	.000
ARKANSAS TEXARKANA	66	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	66	.000	.000	.000	.000	.000
BURBANK	66	.000	.000	.000	.000	.000
MONTEREY	66	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.000	.001	.000	.000	.000
HARTFORD	66	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	66	.000	.000	.000	.000	.000
ROCK ISLAND	66	.000	.000	.000	.000	.000
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	66	.000	.000	.000	.000	.000
FORT WAYNE	66	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	66	.000	.000	.000	.000	.000
IOWA DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	66	.000	.000	.000	.000	.000
COVINGTON	64	.000	.000	.000	.000	.000
MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000		
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	66	.000	.000	.000	.000	.000
MICHIGAN KALAMAZOO	60	.000	.000	.000	.001	.000
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA MOORHEAD	66	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.001	.000	.000	.000	.000
NEW JERSEY BAYONNE	65	.000	.000	-	-	
BRIDGETON	65	.000	.000	.000	.000	.000
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.000	.000	.000	.001	.000
PENNSYLVANIA ALLENTOWN	65	.000	.000	-	.003	
ALTOONA	65	.000	.000	.000	.000	.000
BETHLEHEM	65	.000	.000	.000	.000	.000
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
RICHMOND	65	.000	.000	.000	.000	.000

Table 26. BERYLLIUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m^3)
		Collected	Above Detectable Quantity	
CALIFORNIA				
SAN BERNARDINO	63	22	0	
FLORIDA				
TAMPA	63	25	0	
INDIANA				
HAMMOND	63	26	3	.001
INDIANAPOLIS	64	26	4	.001
KANSAS				
WICHITA	64	25	0	
MINNESOTA				
MINNEAPOLIS	64	26	0	
NEW MEXICO				
ALBUQUERQUE	63	25	2	.0003
NEW YORK				
NEW YORK	57	25	6	.002
ROCHESTER	60	26	6	.001
OHIO				
YOUNGSTOWN	62	25	10	.001
YOUNGSTOWN	63	26	19	.002
OREGON				
PORTLAND	63	20	0	
PORTLAND	64	25	0	
PENNSYLVANIA				
JOHNSTOWN	63	25	0	
TENNESSEE				
MEMPHIS	64	24	1	.0002
NASHVILLE	64	26	0	
TEXAS				
HOUSTON	64	24	0	
UTAH				
SALT LAKE CITY	64	24	0	

Table 27. BERYLLIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
MARICOPA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
ARKANSAS MONTGOMERY CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
CALIFORNIA HUMBOLDT CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
COLORADO MONTEZUMA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
INDIANA PARKE CO	65	0.00000	0.00000	0.00013	0.00000	0.00003
IOWA DELAWARE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MAINE ACADIA NATL PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
MARYLAND CALVERT CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MISSISSIPPI JACKSON CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MISSOURI SHANNON CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MONTANA GLACIER NATL PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEBRASKA THOMAS CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEVADA WHITE PINE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEW HAMPSHIRE COOS CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEW MEXICO RIO ARRIBA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEW YORK CAPE VINCENT	65	0.00000	0.00000	0.00000	0.00000	0.00000
NORTH CAROLINA CAPE HATTERAS	65	0.00000	0.00000	0.00000	0.00000	0.00000
OKLAHOMA CHEROKEE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
OREGON CURRY CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
PENNSYLVANIA CLARION CO	65	0.00019	0.00015	0.00000	0.00000	0.00008
RHODE ISLAND WASHINGTON CO	65	0.00000	0.00000	0.00000	0.00016	0.00004
SOUTH CAROLINA RICHLAND CO	65	0.00012	0.00000	0.00000	0.00000	0.00003
SOUTH DAKOTA BLACK HILLS FRS	65	0.00000	0.00000	0.00000	0.00000	0.00000
TEXAS MATAGORDA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
VERMONT ORANGE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
VIRGINIA SHENANDOAH PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
WISCONSIN DOOR CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
WYOMING YELLOWSTONE PK	65	0.00000	0.00000	0.00000	0.00000	0.00000

Table 28. BISMUTH, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.001	.000	.000	.003	.001
PARADISE VALLEY	65	.001	.000	.001	.001	.001
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.000	.000	.000
MONTEREY	64	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.000	.000	.000	.000	.000
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.000	.000	.000	.000	.000
ROCK ISLAND	64	.000	.000	.000	.000	.000
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.001	.001	.001
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.000	.000
IOWA DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.003	.002	.001	.004	.003
COVINGTON	64	.000	.000	.000	.000	.000
MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000		
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN KALAMAZOO	60	.000	.000	.000	.000	.000
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000
NEW JERSEY BAYONNE	65	.000	.000			
BRIDGETON	65	.000	.000	.000	.000	.000
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.000	.000	.000	.000	.000
PENNSYLVANIA ALLENTOWN	65	.000	.000		.000	
ALTOONA	65	.000	.000	.000	.000	.000
BETHLEHEM	65	.000	.000	.000	.000	.000
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
RICHMOND	65	.000	.000	.000	.000	.000

Table 29. BISMUTH, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m³)
		Collected	Above Detectable Quantity	
CALIFORNIA				
SAN BERNARDINO	63	22	0	
FLORIDA				
TAMPA	63	23	0	
INDIANA				
HAMMOND	63	26	0	
INDIANAPOLIS	64	26	6	.003
KANSAS				
WICHITA	64	25	0	
MINNESOTA				
MINNEAPOLIS	64	26	2	.002
NEW MEXICO				
ALBUQUERQUE	63	25	0	
NEW YORK				
NEW YORK	57	25	16	.038
ROCHESTER	60	26	1	.001
OHIO				
YOUNGSTOWN	62	25	0	
YOUNGSTOWN	63	26	3	.006
OREGON				
PORTLAND	63	20	0	
PORTLAND	64	25	0	
PENNSYLVANIA				
JOHNSTOWN	63	23	0	
TENNESSEE				
MEMPHIS	64	24	0	
NASHVILLE	64	26	0	
TEXAS				
HOUSTON	64	24	0	
UTAH				
SALT LAKE CITY	64	24	3	.009

Table 30. BISMUTH, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	69	0.000	0.000	0.000	0.000	0.000
MARICOPA CO	69	0.0013	0.000	0.0008	0.0007	0.0006
ARKANSAS MONTGOMERY CO	69	0.000	0.000	0.000	0.000	0.000
CALIFORNIA HUMBOLDT CO	69	0.000	0.000	0.000	0.000	0.000
COLORADO MONTEZUMA CO	69	0.000	0.000	0.000	0.000	0.000
INDIANA PARKE CO	69	0.000	0.000	0.000	0.000	0.000
IOWA DELAWARE CO	69	0.000	0.000	0.000	0.000	0.000
MAINE ACADIA NATL PK	69	0.000	0.000	0.000	0.000	0.000
MARYLAND CALVERT CO	69	0.000	0.000	0.000	0.000	0.000
MISSISSIPPI JACKSON CO	69	0.000	0.000	0.000	0.000	0.000
MISSOURI SHANNON CO	69	0.000	0.000	0.000	0.000	0.000
MONTANA GLACIER NATL PK	69	0.000	0.000	0.000	0.000	0.000
NEBRASKA THOMAS CO	69	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	69	0.000	0.000	0.000	0.000	0.000
NEW HAMPSHIRE COOS CO	69	0.000	0.000	0.000	0.000	0.000
NEW MEXICO RIO ARRIBA CO	69	0.000	0.000	0.000	0.000	0.000
NEW YORK CAPE VINCENT	69	0.000	0.000	0.000	0.0006	0.0001
NORTH CAROLINA CAPE HATTERAS	69	0.000	0.000	0.000	0.000	0.000
OKLAHOMA CHEROKEE CO	69	0.000	0.000	0.000	0.000	0.000
OREGON CURRY CO	69	0.000	0.000	0.000	0.000	0.000
PENNSYLVANIA CLARION CO	69	0.000	0.000	0.000	0.000	0.000
RHODE ISLAND WASHINGTON CO	69	0.000	0.000	0.000	0.000	0.000
SOUTH CAROLINA RICHLAND CO	69	0.000	0.000	0.000	0.000	0.000
SOUTH DAKOTA BLACK HILLS FRS	69	0.000	0.000	0.000	0.000	0.000
TEXAS MATAGORDA CO	69	0.000	0.000	0.000	0.000	0.000
VERMONT ORANGE CO	69	0.000	0.000	0.000	0.000	0.000
VIRGINIA SHENANDOAH PK	69	0.000	0.000	0.000	0.000	0.000
WISCONSIN DOOR CO	69	0.000	0.000	0.000	0.000	0.000
WYOMING YELLOWSTONE PK	69	0.000	0.000	0.000	0.000	0.000

Table 31. CADMIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.019	.000	.000	.009	.008
GADSDEN	64	.000	.000	.003	.008	.003
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.004	.000	.003	.000	.002
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.014	.000	.004
MONTEREY	64	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.018	.003	.008	.021	.013
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.018	.018	.010	.031	.017
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.012	.000	.000	.000	.003
ROCK ISLAND	64	.000	.000	.018	.012	.004
INDIANA BEVERLY SHORES	65	.008	.018	.000	.000	.006
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.001	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.014	.004
IOWA DUBUQUE	64	.000	.000	000	.000	.000
KENTUCKY ASHLAND	64	.076	.107	.027	.019	.041
COVINGTON	64	.000	.041	.118	.009	.038
MARYLAND BALTIMORE	65	.000	.000	.008	.011	.004
MASSACHUSETTS BROCKTON	65	.000	.000	.008	.000	.003
LYNN	62	.000	.000	.010		
SOMERVILLE	62	.000	.018	.000	.000	.003
SPRINGFIELD	64	.018	.000	.008	.000	.008
MICHIGAN KALAMAZOO	65	.000	.000	.000	.018	.004
MUSKEGON	65	.023	.044	.028	.049	.036
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.019	.000	.000	.000	.004
NEW JERSEY BAYONNE	65	.012	.000			
BRIDGETON	65	.011	.006	.006	.000	.007
NEW MEXICO ALBUQUERQUE	65	.000	.000	.006	.000	.002
OHIO AKRON	65	.024	.000	.017	.000	.007
PENNSYLVANIA ALLENTOWN	65	.018	.010		.000	
ALTOONA	65	.021	.000	.000	.000	.005
BETHLEHEM	65	.043	.000	.011	.019	.014
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.008	.000	.026	.000	.004
RICHMOND	63	.000	.000	.000	.010	.003

Table 32. CADMIUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (µg/m³)
		Collected	Above Detectable Quantity	
CALIFORNIA SAN BERNARDINO	[illegible]	[illegible]	0	[illegible]
FLORIDA TAMPA	[illegible]	[illegible]	3	[illegible]
ILLINOIS CHICAGO	[illegible]	[illegible]	9	[illegible]
[illegible]	[illegible]	[illegible]	4	[illegible]
KENTUCKY ASHLAND	[illegible]	[illegible]	1	[illegible]
MINNESOTA MINNEAPOLIS	[illegible]	[illegible]	0	
NEW MEXICO ALBUQUERQUE	[illegible]	[illegible]	0	
NEW YORK NEW YORK	[illegible]	[illegible]	48	[illegible]
ROCHESTER	[illegible]	[illegible]	15	[illegible]

Station Location	Years	Number of Samples		Maximum (µg/m³)
		Collected	Above Detectable Quantity	
OHIO CINCINNATI	[illegible]	[illegible]	9	[illegible]
CINCINNATI	[illegible]	[illegible]	10	[illegible]
OREGON PORTLAND	[illegible]	[illegible]	1	[illegible]
PORTLAND	[illegible]	[illegible]	4	[illegible]
PENNSYLVANIA JOHNSTOWN	[illegible]	[illegible]	2	[illegible]
TENNESSEE MEMPHIS	[illegible]	[illegible]	0	
NASHVILLE	[illegible]	[illegible]	7	[illegible]
TEXAS HOUSTON	[illegible]	[illegible]	0	
UTAH SALT LAKE CITY	[illegible]	[illegible]	2	[illegible]

Table 33. CADMIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 34. CHROMIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	.000	.008	.000	.010	.005
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA						
PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.002	.002	.002	.000	.002
ARKANSAS						
TEXARKANA	64	.005	.000	.000	.000	.001
CALIFORNIA						
BAKERSFIELD	64	.007	.007	.008	.009	.008
BURBANK	64	.006	.007	.018	.005	.009
MONTEREY	64	.000	.007	.005	.008	.005
SAN JOSE	63	.007	.000	.000	.000	.002
CONNECTICUT						
BRIDGEPORT	62	.000	.006	.006	.000	.003
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA						
ATLANTA	65	.000	.000	.006	.000	.002
IDAHO						
BOISE	65	.000	.000	.000	.005	.001
ILLINOIS						
MOLINE	64	.005	.007	.007	.009	.007
ROCK ISLAND	64	.000	.000	.009	.000	.002
INDIANA						
BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.005	.000	.007	.003
WEST LAFAYETTE	64	.000	.000	.000	.006	.002
IOWA						
DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY						
ASHLAND	64	.005	.010	.007	.006	.007
COVINGTON	64	.009	.011	.018	.011	.012
MARYLAND						
BALTIMORE	65	.028	.016	.015	.013	.018
MASSACHUSETTS						
BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000		
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN						
KALAMAZOO	60	.011	.029	.010	.027	.019
MUSKEGON	63	.000	.005	.007	.000	.003
MINNESOTA						
MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA						
LINCOLN	62	.000	.006	.000	.000	.000
NEW JERSEY						
BAYONNE	65	.005	.011			
BRIDGETON	65	.000	.005	.005	.000	.003
NEW MEXICO						
ALBUQUERQUE	65	.000	.000	.000	.006	.002
OHIO						
AKRON	65	.009	.006	.011	.009	.009
PENNSYLVANIA						
ALLENTOWN	65	.008	.000		.000	
ALTOONA	65	.007	.000	.000	.000	.002
BETHLEHEM	65	.005	.000	.005	.010	.005
PUERTO RICO						
BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA						
PORTSMOUTH	65	.006	.006	.005	.000	.004
RICHMOND	65	.000	.000	.000	.000	.000

Table 35. CHROMIUM, URBAN FREQUENCY DISTRIBUTIONS.

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22					.001	.001	.001	.001	.008	.016	.036	.004	.001	4.70
FLORIDA																
TAMPA	63	23				.001	.001	.001	.005	.006	.008	.009	.018	.004	.002	4.21
INDIANA																
HAMMOND	63	26				.001	.001	.001	.008	.010	.014	.027	.031	.008	.002	5.82
INDIANAPOLIS	64	26			.001	.001	.008	.009	.011	.013	.015	.016	.020	.008	.004	4.88
KANSAS																
WICHITA	64	25						.001	.001	.001	.001	.001	.007	.001	.001	2.04
MINNESOTA																
MINNEAPOLIS	64	26						.001	.001	.001	.001	.001	.022	.002	.001	2.76
NEW MEXICO																
ALBUQUERQUE	63	25						.001	.001	.001	.001	.001	.006		.001	1.65
NEW YORK																
NEW YORK CITY	57	25		.001	.007	.010	.010	.014	.021	.027	.030	.052	.073	.021	.012	3.95
ROCHESTER	60	26	.019	.024	.026	.033	.037	.041	.044	.046	.060	.095	.290	.055	.044	1.81
OHIO																
YOUNGSTOWN	62	25				.001	.001	.001	.001	.009	.011	.016	.030	.005	.002	5.03
	63	26		.001	.001	.006	.007	.008	.009	.012	.018	.031	.054	.012	.006	4.48
	62 63	51				.001	.001	.006	.008	.010	.014	.024	.054	.009	.003	5.26
OREGON																
PORTLAND	63	20					.001	.001	.001	.001	.001	.012	.041	.004	.001	4.40
	64	25					.001	.001	.001	.001	.009	.016	.023	.004	.001	4.72
	63 64	45					.001	.001	.001	.001	.009	.016	.041	.004	.001	4.52
PENNSYLVANIA																
JOHNSTOWN	63	23				.001	.001	.001	.005	.009	.011	.024	.060	.010	.002	6.03
TENNESSEE																
MEMPHIS	64	24						.001	.001	.001	.001	.001	.006		.001	1.67
NASHVILLE	64	26			.001	.001	.001	.006	.007	.009	.017	.031	.069	.011	.006	5.71
TEXAS																
HOUSTON	64	24					.001	.001	.001	.011	.012	.013	.015	.004	.001	4.75
UTAH																
SALT LAKE CITY	64	24						.001	.001	.001	.001	.005	.007	.001	.001	2.33

Table 36. CHROMIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	69	0.0012	0.0012	0.0011	0.0012	0.0011
MARICOPA CO	69	0.0021	0.0017	0.0016	0.0010	0.0014
ARKANSAS MONTGOMERY CO	69	0.0022	0.0027	0.0016	0.0025	0.0021
CALIFORNIA HUMBOLDT CO	69	0.0036	0.0019	0.0024	0.0019	0.0022
COLORADO MONTEZUMA CO	69	0.0037	0.0014	0.0036	0.0025	0.0028
INDIANA PARKE CO	69	0.0030	0.0026	0.0038	0.0019	0.0027
IOWA DELAWARE CO	69	0.0017	0.0020	0.0031	0.0018	0.0021
MAINE ACADIA NATL PK	69	0.0016	0.020	0.0083	0.0048	0.0091
MARYLAND CALVERT CO	69	0.0000	0.0010	0.0019	0.0016	0.0010
MISSISSIPPI JACKSON CO	69	0.0071	0.027	0.0097	0.0043	0.012
MISSOURI SHANNON CO	69	0.00089	0.0014	0.0019	0.0017	0.0016
MONTANA GLACIER NATL PK	69	0.0038	0.0012	0.0016	0.0000	0.0016
NEBRASKA THOMAS CO	69	0.0026	0.0026	0.0016	0.0012	0.0019
NEVADA WHITE PINE CO	69	0.0028	0.0021	0.0000	0.0000	0.0012
NEW HAMPSHIRE COOS CO	69	0.0000	0.0014	0.0011	0.0022	0.0011
NEW MEXICO RIO ARRIBA CO	69	0.0036	0.0048	0.0044	0.0053	0.0045
NEW YORK CAPE VINCENT	69	0.0019	0.001	0.0010	0.0042	0.0018
NORTH CAROLINA CAPE HATTERAS	69	0.0027	0.0009	0.0017	0.0019	0.0019
OKLAHOMA CHEROKEE CO	69	0.00088	0.0016	0.0017	0.0000	0.0010
OREGON CURRY CO	69	0.0000	0.0000	0.0016	0.0000	0.00039
PENNSYLVANIA CLARION CO	69	0.0068	0.0081	0.0081	0.0049	0.0070
RHODE ISLAND WASHINGTON CO	69	0.0025	0.0047	0.0016	0.0068	0.0036
SOUTH CAROLINA RICHLAND CO	69	0.0042	0.0022	0.0000	0.0019	0.0020
SOUTH DAKOTA BLACK HILLS FOR	69	0.0000	0.0011	0.0000	0.0011	0.00056
TEXAS MATAGORDA CO	69	0.0032	0.0027	0.0022	0.0040	0.0030
VERMONT ORANGE CO	69	0.0044	0.0009	0.0030	0.0031	0.0026
VIRGINIA SHENANDOAH PK	69	0.0022	0.0008	0.0022	0.0029	0.0019
WISCONSIN DOOR CO	69	0.0014	0.0019	0.0017	0.0024	0.0018
WYOMING YELLOWSTONE PK	69	0.0027	0.0009	0.0000	0.0000	0.00090

Table 37. COBALT, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.010	.000	.003
GADSDEN	64	.000	.000	.010	.000	.003
ARIZONA PARADISE VALLEY	64	.000	.000	.010	.000	.003
PARADISE VALLEY	65	.000	.000	.010	.000	.003
ARKANSAS TEXARKANA	64	.000	.000	.010	.000	.003
CALIFORNIA BAKERSFIELD	64	.000	.000	.010	.000	.003
BURBANK	64	.000	.000	.010	.000	.003
MONTEREY	64	.000	.000	.010	.000	.003
SAN JOSE	63	.000	.000	.010	.010	.005
CONNECTICUT BRIDGEPORT	62	.000	.000	.010	.000	.003
HARTFORD	64	.000	.000	.010	.000	.003
NEW HAVEN	64	.000	.000	.010	.000	.003
GEORGIA ATLANTA	65	.000	.000	.010	.000	.003
IDAHO BOISE	65	.000	.000	.010	.000	.003
ILLINOIS MOLINE	64	.000	.000	.010	.000	.003
ROCK ISLAND	64	.000	.000	.010	.000	.003
INDIANA BEVERLY SHORES	65	.000	.000	.010	.000	.003
EVANSVILLE	64	.000	.000	.010	.000	.003
FORT WAYNE	64	.000	.000	.010	.000	.003
TERRE HAUTE	63	.000	.000	.010	.000	.003
WEST LAFAYETTE	64	.000	.000	.010	.000	.003
IOWA DUBUQUE	64	.000	.000	.010	.000	.003

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.000	.000	.000	.000	.000
COVINGTON	64	.000	.000	.000	.000	.000
MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000		
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN KALAMAZOO	60	.000	.000	.000	.000	.000
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000
NEW JERSEY BAYONNE	65	.000	.000			
BRIDGETON	65	.000	.000	.000	.000	.000
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.000	.000	.000	.000	.000
PENNSYLVANIA ALLENTOWN	65	.000	.000		.000	
ALTOONA	65	.000	.000	.000	.000	.000
BETHLEHEM	65	.000	.000	.000	.000	.000
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
RICHMOND	65	.000	.000	.000	.000	.000

Table 38. COBALT, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m³)
		Collected	Above Detectable Quantity	
CALIFORNIA				
SAN BERNARDINO	63	27	0	
FLORIDA				
TAMPA	63	23	0	
INDIANA				
HAMMOND	63	26	0	
INDIANAPOLIS	64	26	0	
KANSAS				
WICHITA	64	25	0	
MINNESOTA				
MINNEAPOLIS	64	26	0	
NEW MEXICO				
ALBUQUERQUE	63	25	0	
NEW YORK				
NEW YORK	57	25	1	.006
ROCHESTER	60	26	0	
OHIO				
YOUNGSTOWN	62	25	0	
YOUNGSTOWN	63	26	0	
OREGON				
PORTLAND	63	20	0	
PORTLAND	64	25	0	
PENNSYLVANIA				
JOHNSTOWN	63	23	0	
TENNESSEE				
MEMPHIS	64	24	0	
NASHVILLE	64	26	0	
TEXAS				
HOUSTON	64	24	0	
UTAH				
SALT LAKE CITY	64	24	0	

Table 39. COBALT, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar	2nd Quar	3rd Quar	4th Quar	Yrly Avg
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARICOPA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
ARKANSAS MONTGOMERY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
CALIFORNIA HUMBOLDT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
COLORADO MONTEZUMA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
INDIANA PARKE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
IOWA DELAWARE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MAINE ACADIA NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARYLAND CALVERT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MISSISSIPPI JACKSON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MISSOURI SHANNON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MONTANA GLACIER NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEBRASKA THOMAS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEVADA WHITE PINE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW HAMPSHIRE COOS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW MEXICO RIO ARRIBA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW YORK CAPE VINCENT	65	0.0000	0.0000	0.0000	0.0000	0.0000
NORTH CAROLINA CAPE HATTERAS	65	0.0000	0.0000	0.0000	0.0000	0.0000
OKLAHOMA CHEROKEE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
OREGON CURRY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
PENNSYLVANIA CLARION CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
RHODE ISLAND WASHINGTON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH CAROLINA RICHLAND CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH DAKOTA BLACK HILLS FRST	65	0.0000	0.0000	0.0000	0.0000	0.0000
TEXAS MATAGORA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
VERMONT ORANGE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
VIRGINIA SHENANDOAH PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
WISCONSIN DOOR CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 40. COPPER, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.03	.04	.03	.13	.06
GADSDEN	64	.02	.02	.02	.02	.02
ARIZONA PARADISE VALLEY	64	.06	.01	.02	.05	.04
PARADISE VALLEY	65	.03	.03	.02	.03	.03
ARKANSAS TEXARKANA	64	.07	.05	.06	.06	.06
CALIFORNIA BAKERSFIELD	64	.05	.02	.05	.06	.05
BURBANK	64	.05	.04	.14	.14	.09
MONTEREY	64	.02	.04	.02	.09	.04
SAN JOSE	63	.14	.05	.17	.14	.13
CONNECTICUT BRIDGEPORT	62	.12	.11	.09	.16	.12
HARTFORD	64	.05	.04	.03	.05	.04
NEW HAVEN	64	.04	.13	.25	.11	.13
GEORGIA ATLANTA	65	.04	.06	.02	.02	.04
IDAHO BOISE	65	.02	.02	.02	.04	.03
ILLINOIS MOLINE	64	.03	.05	.06	.04	.05
ROCK ISLAND	64	.02	.03	.06	.01	.03
INDIANA BEVERLY SHORES	65	.03	.04	.05	.05	.04
EVANSVILLE	64	.10	1.20	.82	.48	.65
FORT WAYNE	64	.01	.02	.01	.02	.02
TERRE HAUTE	63	.04	.08	.11	.06	.07
WEST LAFAYETTE	64	.03	.06	.03	.11	.07
IOWA DUBUQUE	64	.08	.04	.12	.16	.10

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.07	.16	.12	.13	.12
COVINGTON	64	.04	.05	.08	.06	.06
MARYLAND BALTIMORE	65	.08	.05	.05	.06	.06
MASSACHUSETTS BROCKTON	65	.01	.02	.02	.04	.02
LYNN	62	.05	.06	.04		
SOMERVILLE	62	.19	.11	.07	.08	.11
SPRINGFIELD	64	.13	.15	.00	.11	.10
MICHIGAN KALAMAZOO	60	.17	.12	.06	.13	.12
MUSKEGON	63	.01	.02	.03	.03	.02
MINNESOTA MOORHEAD	64	.01	.01	.01	.01	.01
NEBRASKA LINCOLN	62	.03	.04	.02	.02	.03
NEW JERSEY BAYONNE	65	.03	.02			
BRIDGETON	65	.11	.10	.12	.12	.11
NEW MEXICO ALBUQUERQUF	65	.23	.13	.12	.07	.14
OHIO AKRON	65	.02	.03	.04	.04	.03
PENNSYLVANIA ALLENTOWN	65	.11	.04		.03	
ALTOONA	65	.16	.62	.15	.09	.26
BETHLEHEM	65	.04	.04	.06	.13	.07
PUERTO RICO BAYAMON	65	.01	.00	.00	.01	.01
VIRGINIA PORTSMOUTH	65	.08	.14	.14	.08	.11
RICHMOND	65	.07	.08	.05	.09	.07

Table 41. COPPER, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22	.01	.01	.02	.03	.04	.05	.05	.06	.08	.10	.18	.06	.05	2.01
FLORIDA																
TAMPA	63	23	.05	.07	.08	.09	.10	.11	.12	.13	.14	.22	.31	.13	.12	1.53
INDIANA																
HAMMOND	63	26	.03	.04	.05	.06	.06	.07	.09	.10	.11	.13	.18	.08	.08	1.60
INDIANAPOLIS	64	26	.07	.10	.11	.13	.14	.18	.26	.29	.42	.56	.81	.27	.21	1.97
KANSAS																
WICHITA	64	25	.01	.02	.02	.03	.03	.04	.05	.08	.08	.09	.15	.05	.04	1.95
MINNESOTA																
MINNEAPOLIS	64	26	.09	.10	.11	.12	.13	.14	.15	.16	.18	.20	.28	.15	.15	1.33
NEW MEXICO																
ALBUQUERQUE	63	25	.02	.03	.04	.04	.05	.05	.07	.08	.11	.13	.16	.07	.06	1.73
NEW YORK																
NEW YORK CITY	57	25	.03	.05	.08	.11	.12	.14	.18	.24	.25	.87	1.80	.28	.17	2.58
ROCHESTER	60	26	.04	.05	.05	.06	.06	.07	.09	.10	.12	.13	.22	.09	.08	1.52
OHIO																
YOUNGSTOWN	62	25	.01	.01	.01	.01	.02	.02	.02	.03	.05	.07	.16	.04	.03	2.02
	63	26	.01	.02	.02	.03	.04	.05	.06	.06	.07	.10	.17	.06	.05	1.94
	62 63	51	.01	.01	.01	.02	.02	.03	.04	.05	.06	.08	.17	.05	.04	2.09
OREGON																
PORTLAND	63	20	.02	.04	.05	.06	.06	.08	.09	.12	.16	.19	.35	.11	.09	1.96
	64	25	.01	.02	.02	.03	.04	.04	.06	.07	.08	.10	.22	.06	.05	2.01
	63 64	45	.01	.02	.03	.04	.05	.06	.07	.08	.11	.18	.35	.08	.06	2.09
PENNSYLVANIA																
JOHNSTOWN	63	23	.02	.02	.02	.02	.03	.03	.04	.05	.06	.08	.17	.05	.04	1.68
TENNESSEE																
MEMPHIS	64	24	.02	.03	.04	.04	.05	.05	.06	.08	.13	.16	.22	.08	.06	1.84
NASHVILLE	64	26	.04	.05	.05	.06	.07	.07	.08	.08	.10	.11	.14	.08	.08	1.38
TEXAS																
HOUSTON	64	24	.03	.07	.18	.23	.42	.48	.61	.73	.98	1.30	1.40	.57	.40	2.71
UTAH																
SALT LAKE CITY	64	24		.02	.06	.06	.07	.07	.08	.09	.09	.11	.15	.08	.07	1.98

Table 42. COPPER, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.035	0.020	0.016	0.024	0.023
MARICOPA CO	65	0.032	0.030	0.024	0.031	0.029
ARKANSAS MONTGOMERY CO	65	0.013	0.010	0.0057	0.016	0.011
CALIFORNIA HUMBOLDT CO	65	0.014	0.015	0.023	0.014	0.016
COLORADO MONTEZUMA CO	65	0.0046	0.0033	0.0064	0.0086	0.0057
INDIANA PARKE CO	65	0.017	0.023	0.080	0.024	0.036
IOWA DELAWARE CO	65	0.014	0.20	0.048	0.023	0.071
MAINE ACADIA NATL PK	65	0.0064	0.0085	0.015	0.011	0.010
MARYLAND CALVERT CO	65	0.014	0.017	0.012	0.016	0.014
MISSISSIPPI JACKSON CO	65	0.0080	0.010	0.015	0.0098	0.010
MISSOURI SHANNON CO	65	0.0084	0.011	0.0091	0.0084	0.0092
MONTANA GLACIER NATL PK	65	0.91	0.00023	0.061	0.039	0.25
NEBRASKA THOMAS CO	65	0.010	0.013	0.013	0.0087	0.011
NEVADA WHITE PINE CO	65	0.022	0.013	0.0087	0.0039	0.011
NEW HAMPSHIRE COOS CO	65	0.017	0.033	0.020	0.018	0.022
NEW MEXICO RIO ARRIBA CO	65	0.21	0.049	0.036	0.063	0.089
NEW YORK CAPE VINCENT	65	0.035	0.17	0.042	0.11	0.076
NORTH CAROLINA CAPE HATTERAS	65	0.010	0.0098	0.045	0.019	0.020
OKLAHOMA CHEROKEE CO	65	0.041	0.072	0.061	0.17	0.073
OREGON CURRY CO	65	0.11	0.065	0.27	0.12	0.14
PENNSYLVANIA CLARION CO	65	0.012	0.016	0.015	0.015	0.014
RHODE ISLAND WASHINGTON CO	65	0.017	0.023	0.019	0.043	0.025
SOUTH CAROLINA RICHLAND CO	65	0.025	0.0010	0.016	0.024	0.016
SOUTH DAKOTA BLACK HILLS FOS	65	0.0044	0.011	0.013	0.014	0.010
TEXAS MATAGORDA CO	65	0.012	0.014	0.020	0.021	0.016
VERMONT ORANGE CO	65	0.010	0.0057	0.0085	0.014	0.0095
VIRGINIA SHENANDOAH PK	65	0.026	0.055	0.055	0.037	0.043
WISCONSIN DOOR CO	65	0.011	0.030	0.012	0.012	0.016
WYOMING YELLOWSTONE PK	65	0.012	0.013	0.0092	0.0084	0.010

NOT REPRODUCIBLE

Table 43. IRON, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	1.2	2.2	.8	2.4	1.7
GADSDEN	64	.7	.8	1.5	1.4	1.1
ARIZONA						
PARADISE VALLEY	64	.7	.9	.3	.7	.7
PARADISE VALLEY	65	.6	.4	.5	.2	.4
ARKANSAS						
TEXARKANA	64	.7	.5	1.1	.8	.8
CALIFORNIA						
BAKERSFIELD	64	1.7	2.3	2.6	2.0	2.2
BURBANK	64	.8	.9	2.6	1.3	1.4
MONTEREY	64	.2	.6	.5	1.0	.6
SAN JOSE	63	2.0	.7	1.6	.9	1.3
CONNECTICUT						
BRIDGEPORT	62	.5	1.0	1.1	.5	.8
HARTFORD	64	1.6	.5	.5	1.2	1.0
NEW HAVEN	64	.5	1.9	.6	.4	.9
GEORGIA						
ATLANTA	65	1.5	1.5	1.0	.7	1.2
IDAHO						
BOISE	65	.7	.6	.8	.8	.7
ILLINOIS						
MOLINE	64	.7	1.9	1.5	1.3	1.4
ROCK ISLAND	64	.8	2.8	2.0	.9	1.6
INDIANA						
BEVERLY SHORES	65	.6	.9	.7	.8	.8
EVANSVILLE	64	1.5	1.3	.6	.6	1.0
FORT WAYNE	64	.1	.5	.2	.5	.3
TERRE HAUTE	63	.8	.8	.7	.7	.8
WEST LAFAYETTE	64	.7	1.8	.5	2.5	1.4
IOWA						
DUBUQUE	64	.6	.9	1.1	4.0	1.7

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY						
ASHLAND	64	1.5	1.8	1.2	1.3	1.5
COVINGTON	64	1.1	1.4	2.9	1.4	1.7
MARYLAND						
BALTIMORE	65	1.0	.5	.9	.6	.8
MASSACHUSETTS						
BROCKTON	65	.1	.4	.3	.6	.4
LYNN	62	.4	1.3	.6		
SOMERVILLE	62	.9	1.9	.8	1.7	1.3
SPRINGFIELD	64	.5	.7	.7	.6	.6
MICHIGAN						
KALAMAZOO	60	.6	1.9	1.3	2.0	1.5
MUSKEGON	63	.8	1.3	1.3	1.0	1.1
MINNESOTA						
MOORHEAD	64	.3	.4	.6	.3	.4
NEBRASKA						
LINCOLN	62	1.2	.9	.9	.5	.9
NEW JERSEY						
BAYONNE	65	.5	1.7			
BRIDGETON	65	.5	.5	.4	.5	.5
NEW MEXICO						
ALBUQUERQUE	65	1.0	.7	.6	.9	.8
OHIO						
AKRON	65	2.2	2.5	3.8	2.7	2.8
PENNSYLVANIA						
ALLENTOWN	65	1.5	.8		1.1	
ALTOONA	65	2.1	.9	1.4	.7	1.3
BETHLEHEM	65	.7	.7	.7	1.6	.9
PUERTO RICO						
BAYAMON	65	.7	1.4	.7	.5	.8
VIRGINIA						
PORTSMOUTH	65	1.8	2.7	1.7	1.7	2.0
RICHMOND	65	1.1	2.4	1.1	.9	1.4

Table 44. IRON, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	27	.1	.3	.5	.7	.9	1.1	1.6	1.9	2.4	3.1	5.4	1.5	1.1	2.35
FLORIDA																
TAMPA	63	25		.5	.6	.7	.7	.8	.9	1.1	1.2	1.5	1.6	.9	.8	2.02
INDIANA																
HAMMOND	63	26	.1	.5	.7	1.0	1.1	1.6	2.2	3.1	3.9	5.5	15.0	2.7	1.7	2.41
INDIANAPOLIS	64	24	.4	.5	.5	.6	.7	.9	1.1	1.4	1.5	1.6	3.1	1.1	1.0	1.77
KANSAS																
WICHITA	64	25	.1	.2	.3	.4	.5	.6	.7	.9	1.1	1.5	2.5	.8	.6	2.24
MINNESOTA																
MINNEAPOLIS	64	24	.2	.4	.5	.6	.8	.9	1.0	1.2	1.4	1.9	1.8	1.0	.9	1.68
NEW MEXICO																
ALBUQUERQUE	63	25	.2	.3	.4	.5	.6	.7	1.0	1.9	2.4	4.4	9.6	1.5	1.0	2.51
NEW YORK																
NEW YORK CITY	57	25	.5	.6	.9	1.2	1.3	1.8	2.2	3.9	4.6	5.2	6.2	2.5	1.8	2.16
ROCHESTER	60	26	.5	1.3	1.5	1.9	2.3	2.7	4.1	4.4	4.9	5.3	6.5	3.2	2.7	1.81
OHIO																
YOUNGSTOWN	62	25	.4	.7	.8	1.3	1.7	2.5	2.8	3.4	5.1	5.5	14.0	3.0	2.2	2.33
	63	26	.6	1.1	1.5	2.7	3.1	4.1	4.4	4.7	5.5	7.5	13.0	4.2	3.3	2.13
	62 63	51	.4	.8	1.1	1.6	2.5	3.0	4.1	4.6	5.4	7.0	14.0	3.7	2.7	2.28
OREGON																
PORTLAND	63	20		.1	.1	.2	.3	.4	.4	.5	.6	1.1	2.1	.5	.3	2.70
	64	25		.1	.2	.5	.6	1.0	1.1	1.2	1.3	1.9	2.6	1.0	.6	2.65
	63 64	45		.1	.2	.3	.4	.5	.6	1.1	1.2	1.7	2.6	.8	.5	3.00
PENNSYLVANIA																
JOHNSTOWN	63	25	.6	.8	1.6	1.7	2.2	2.8	3.0	3.4	3.9	4.9	16.0	3.3	2.5	2.02
TENNESSEE																
MEMPHIS	64	24		.1	.4	.5	.6	.6	.7	1.1	1.2	1.5	4.1	.9	.7	2.60
NASHVILLE	64	26	.2	.4	.5	.6	.8	1.0	1.1	1.2	1.4	1.6	2.5	1.0	.8	1.83
TEXAS																
HOUSTON	64	24	.2	.2	.2	.3	.4	.4	.5	.6	.7	.9	2.4	.6	.5	1.84
UTAH																
SALT LAKE CITY	64	24	.2	.3	.4	.5	.7	.8	.9	1.0	1.2	1.5	2.1	.9	.7	1.81

Table 45. IRON, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.14	0.16	0.19	0.27	0.19
MARICOPA CO	65	0.65	0.45	0.46	0.25	0.44
ARKANSAS MONTGOMERY CO	65	0.15	0.22	0.19	0.23	0.19
CALIFORNIA HUMBOLDT CO	65	0.16	0.096	0.23	0.12	0.15
COLORADO MONTEZUMA CO	65	0.21	0.14	0.23	0.08	0.16
INDIANA PARKE CO	65	0.47	0.42	0.45	0.22	0.39
IOWA DELAWARE CO	65	0.15	0.23	0.45	0.21	0.26
MAINE ACADIA NATL PK	65	0.16	0.21	0.23	0.14	0.18
MARYLAND CALVERT CO	65	0.23	0.15	0.19	0.15	0.18
MISSISSIPPI JACKSON CO	65	0.22	0.24	0.33	0.27	0.26
MISSOURI SHANNON CO	65	0.15	0.24	0.26	0.21	0.21
MONTANA GLACIER NATL PK	65	0.24	0.23	0.26	0.13	0.21
NEBRASKA THOMAS CO	65	0.24	0.27	0.24	0.11	0.21
NEVADA WHITE PINE CO	65	0.62	0.13	0.017	0.006	0.19
NEW HAMPSHIRE COOS CO	65	0.060	0.18	0.11	0.14	0.17
NEW MEXICO RIO ARRIBA CO	65	0.26	0.56	0.32	0.27	0.35
NEW YORK CAPE VINCENT	65	0.15	0.27	0.16	0.51	0.27
NORTH CAROLINA CAPE HATTERAS	65	0.31	0.17	0.25	0.21	0.23
OKLAHOMA CHEROKEE CO	65	0.22	0.17	0.38	0.20	0.24
OREGON CURRY CO	65	0.21	0.12	0.41	0.10	0.21
PENNSYLVANIA CLARION CO	65	0.60	0.94	0.56	0.73	0.70
RHODE ISLAND WASHINGTON CO	65	0.21	0.070	0.42	0.55	0.31
SOUTH CAROLINA RICHLAND CO	65	0.50	0.20	0.11	0.22	0.25
SOUTH DAKOTA BLACK HILLS FRST	65	0.038	0.11	0.10	0.27	0.13
TEXAS MATAGORA CO	65	0.26	0.17	0.14	0.19	0.19
VERMONT ORANGE CO	65	0.33	0.15	0.41	0.44	0.33
VIRGINIA SHENANDOAH PK	65	0.025	0.30	0.25	0.34	0.22
WISCONSIN DOOR CO	65	0.13	0.26	0.18	0.20	0.19
WYOMING YELLOWSTONE PK	65	0.15	0.11	0.045	0.033	0.08

Table 46. LEAD, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	.5	.4	.2	.9	.5
GADSDEN	64	.4	.5	.4	.6	.5
ARIZONA						
PARADISE VALLEY	64	.2	.0	.1	.3	.2
PARADISE VALLEY	65	.0	.1	.1	.1	.1
ARKANSAS						
TEXARKANA	64	.2	.2	.3	.2	.2
CALIFORNIA						
BAKERSFIELD	64	1.0	.5	1.1	.8	.9
BURBANK	64	1.5	.7	1.9	2.3	1.6
MONTEREY	64	.1	.2	.3	.9	.4
SAN JOSE	63	.6	.2	.3	.4	.4
CONNECTICUT						
BRIDGEPORT	62	.4	.7	.2	.5	.3
HARTFORD	64	.6	.3	.2	1.1	.6
NEW HAVEN	64	.4	.8	.6	.9	.7
GEORGIA						
ATLANTA	65	.5	.5	.6	.7	.6
IDAHO						
BOISE	65	.3	.2	.4	.4	.3
ILLINOIS						
MOLINE	64	.2	.2	.6	.3	.3
ROCK ISLAND	64	.3	.3	.6	.4	.4
INDIANA						
BEVERLY SHORES	65	.1	.2	.2	.2	.2
EVANSVILLE	64	.6	.3	.4	.3	.4
FORT WAYNE	64	.1	.1	.1	.1	.1
TERRE HAUTE	63	.2	.3	.3	.2	.3
WEST LAFAYETTE	64	.4	.4	.3	1.0	.5
IOWA						
DUBUQUE	64	.2	.1	.2	.4	.2

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY						
ASHLAND	64	.8	.7	.7	1.8	1.0
COVINGTON	64	.5	.5	1.2	1.1	.8
MARYLAND						
BALTIMORE	65	.8	.8	.8	.9	.8
MASSACHUSETTS						
BROCKTON	65	.1	.2	.3	.8	.4
LYNN	62	.5	.9	.7		
SOMERVILLE	62	.9	.6	.4	.6	.6
SPRINGFIELD	64	.6	.2	.2	.4	.4
MICHIGAN						
KALAMAZOO	60	.2	.3	.2	.2	.2
MUSKEGON	63	.4	.3	.5	.7	.5
MINNESOTA						
MOORHEAD	64	.1	.0	.1	.1	.1
NEBRASKA						
LINCOLN	62	.3	.3	.3	.2	.3
NEW JERSEY						
BAYONNE	65	.5	.8			
BRIDGETON	65	.2	.2	.3	.3	.3
NEW MEXICO						
ALBUQUERQUE	65	.3	.1	.1	.5	.3
OHIO						
AKRON	65	.5	.6	.6	.4	.5
PENNSYLVANIA						
ALLENTOWN	65	.2	.3		.5	
ALTOONA	65	.7	.3	.5	.1	.4
BETHLEHEM	65	.3	.5	.6	1.0	.6
PUERTO RICO						
BAYAMON	65	.2	.1	.1	.1	.1
VIRGINIA						
PORTSMOUTH	65	.8	.4	.4	.6	.6
RICHMOND	65	.6	.7	.7	1.5	.9

Table 47. LEAD, URBAN FREQUENCY DISTRIBUTION

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22	.1	.1	.1	.2	.2	.2	.3	.3	.9	1.2	1.4	.5	.3	2.34
FLORIDA																
TAMPA	63	23	.1	.1	.3	.3	.4	.5	.6	.7	.8	1.6	3.3	.7	.5	2.25
INDIANA																
HAMMOND	63	26				.1	.1	.1	.1	.2	.3	.4	1.2	.2	.2	2.15
INDIANAPOLIS	64	26	.6	1.1	1.2	1.6	1.8	2.0	2.2	2.4	3.5	3.8	6.2	2.3	2.0	1.74
KANSAS																
WICHITA	64	25	.1			.1	.1	.1	.2	.3	.3	.5	.6	.2	.2	1.91
MINNESOTA																
MINNEAPOLIS	64	26	.1	.1	.1	.1	.2	.2	.3	.4	.7	1.1	6.0	.6	.3	2.70
NEW MEXICO																
ALBUQUERQUE	63	[illegible]			.1	.1	.1	.2	.2	.3	.4	1.1	1.8	.4	.2	2.54
NEW YORK																
NEW YORK CITY	57	25	.3	.4	.5	.7	1.0	1.1	1.3	1.7	1.8	2.9	3.2	1.3	1.1	1.99
ROCHESTER	60	26	.2	.3	.3	.4	.4	.5	.6	.6	.8	1.2	1.5	.6	.5	1.65
OHIO																
YOUNGSTOWN	62	25				.1	.1	.1	.2	.2	.3	.6	.7	.2	.2	2.04
	63	26	.1	.1	.2	.3	.3	.3	.4	.4	.5	.6	1.5	.4	.4	1.86
	62 63	51			.1	.1	.2	.2	.3	.3	.4	.6	1.5	.3	.2	2.14
OREGON																
PORTLAND	63	20				.1	.1	.1	.1	.2	.2	.3	1.2	.2	.1	2.31
	64	25	.1	.1	.2	.3	.3	.4	.5	.6	.7	1.2	2.3	.6	.4	2.37
	63 64	45			.1	.1	.1	.2	.3	.4	.6	1.1	2.3	.4	.3	2.69
PENNSYLVANIA																
JOHNSTOWN	63	23				.1	.1	.1	.2	.2	.2	.3	.4	.2	.2	1.74
TENNESSEE																
MEMPHIS	64	24	.1		.1	.1	.1	.2	.2	.3	.4	.6	1.1	.3	.2	2.23
NASHVILLE	64	26	.1	.2	.2	.3	.4	.4	.5	.6	1.0	1.1	2.3	.6	.5	2.02
TEXAS																
HOUSTON	64	24	.2	.4	.7	.9	1.2	1.7	1.9	2.2	2.9	4.0	4.3	1.9	1.5	2.20
UTAH																
SALT LAKE CITY	64	24	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	1.4	.5	.4	1.88

Table 48. LEAD, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	69	0.0096	0.92	0.022	0.057	0.19
MARICOPA CO	69	0.042	0.074	0.071	0.061	0.062
ARKANSAS MONTGOMERY CO	69	0.022	0.014	0.016	0.016	0.017
CALIFORNIA HUMBOLDT CO	69	0.011	0.000	0.015	0.014	0.010
COLORADO MONTEZUMA CO	69	0.000	0.000	0.0082	0.000	0.0020
INDIANA PARKE CO	69	0.052	0.054	0.057	0.034	0.049
IOWA DELAWARE CO	69	0.019	0.020	0.058	0.016	0.028
MAINE ACADIA NATL PK	69	0.0059	0.0047	0.048	0.015	0.018
MARYLAND CALVERT CO	69	0.043	0.027	0.052	0.033	0.038
MISSISSIPPI JACKSON CO	69	0.018	0.018	0.049	0.046	0.032
MISSOURI SHANNON CO	69	0.0086	0.017	0.013	0.014	0.013
MONTANA GLACIER NATL PK	69	0.0062	0.0089	0.0089	0.000	0.0059
THOMAS CO	69	0.0060	[illegible]	[illegible]	[illegible]	[illegible]
NEVADA WHITE PINE CO	69	0.000	0.000	0.0058	0.000	0.0014
NEW HAMPSHIRE COOS CO	69	0.0080	0.014	0.0091	0.016	0.011
NEW MEXICO RIO ARRIBA CO	69	0.0066	0.0064	0.0067	0.0065	0.0075
NEW YORK CAPE VINCENT	69	0.019	0.035	0.076	0.090	0.062
NORTH CAROLINA CAPE HATTERAS	69	0.037	0.032	0.045	0.016	0.032
OKLAHOMA CHEROKEE CO	69	0.015	0.0084	0.020	0.026	0.017
OREGON CURRY CO	69	0.0078	0.0063	0.011	0.000	0.0062
PENNSYLVANIA CLARION CO	69	0.099	0.057	0.025	0.000	0.045
RHODE ISLAND WASHINGTON CO	69	0.035	0.17	0.039	0.17	0.10
SOUTH CAROLINA RICHLAND CO	69	0.10	0.068	0.018	0.063	0.062
SOUTH DAKOTA BLACK HILLS FRS	69	0.000	0.000	0.000	0.0087	0.0021
TEXAS MATAGORA CO	69	0.018	0.0010	0.014	0.046	0.019
VERMONT ORANGE CO	69	0.051	0.0092	0.035	0.058	0.038
VIRGINIA SHENANDOAH PK	69	0.032	0.055	0.047	0.069	0.050
WISCONSIN DOOR CO	69	0.010	0.099	0.028	0.013	0.027
YELLOWSTONE PK	69	0.000	0.000	[illegible]	[illegible]	[illegible]

Table 49. MANGANESE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.11	.11	.08	.31	.15
GADSDEN	64	.07	.07	.09	.08	.08
ARIZONA PARADISE VALLEY	64	.04	.04	.02	.03	.03
PARADISE VALLEY	65	.02	.02	.02	.01	.02
ARKANSAS TEXARKANA	64	.02	.01	.03	.02	.02
CALIFORNIA BAKERSFIELD	64	.04	.06	.08	.05	.06
BURBANK	64	.02	.03	.06	.03	.04
MONTEREY	64	.00	.00	.01	.02	.01
SAN JOSE	63	.03	.02	.03	.02	.03
CONNECTICUT BRIDGEPORT	62	.06	.03	.02	.05	.04
HARTFORD	64	.05	.02	.01	.05	.03
NEW HAVEN	64	.03	.05	.02	.03	.03
GEORGIA ATLANTA	65	.10	.05	.04	.05	.06
IDAHO BOISE	65	.01	.02	.02	.03	.02
ILLINOIS MOLINE	64	.07	.07	.09	.15	.10
ROCK ISLAND	64	.08	.11	.10	.06	.09
INDIANA BEVERLY SHORES	65	.03	.06	.03	.03	.04
EVANSVILLE	64	.05	.05	.03	.02	.04
FORT WAYNE	64	.01	.03	.01	.02	.02
TERRE HAUTE	63	.03	.03	.03	.03	.03
WEST LAFAYETTE	64	.02	.07	.01	.07	.04
IOWA DUBUQUE	64	.03	.04	.04	.09	.05
KENTUCKY ASHLAND	64	.19	.18	.09	.12	.15
COVINGTON	64	.18	.15	.29	.17	.20
MARYLAND BALTIMORE	65	.13	.03	.07	.07	.08
MASSACHUSETTS BROCKTON	65	.00	.01	.00	.04	.01
LYNN	62	.00	.02	.02		
SOMERVILLE	62	.04	.03	.02	.04	.03
SPRINGFIELD	64	.05	.03	.02	.03	.03
MICHIGAN KALAMAZOO	60	.04	.05	.05	.05	.05
MUSKEGON	63	.16	.40	.35	.47	.35
MINNESOTA MOORHEAD	[illegible]	.01	.02	.03	.02	.02
NEBRASKA LINCOLN	62	.04	.03	.02	.02	.03
NEW JERSEY BAYONNE	65	.02	.07			
BRIDGETON	65	.03	.02	.02	.04	.03
NEW MEXICO ALBUQUERQUE	65	.03	.02	.02	.03	.03
OHIO AKRON	65	.12	.10	.14	.16	.13
PENNSYLVANIA ALLENTOWN	65	.16	.06		.10	
ALTOONA	65	.12	.03	.04	.06	.06
BETHLEHEM	65	.13	.05	.04	.25	.12
PUERTO RICO BAYAMON	65	.02	.03	.01	.01	.02
VIRGINIA PORTSMOUTH	65	.07	.05	.04	.05	.05
RICHMOND	65	.07	.05	.03	.05	.05

Table 50. MANGANESE, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22			.01	.01	.02	.02	.03	.03	.04	.06	.12	.03	.02	2.39
FLORIDA TAMPA	63	23			.01	.01	.01	.02	.03	.03	.04	.06	.11	.03	.02	2.32
INDIANA HAMMOND	63	24		.02	.03	.06	.07	.09	.10	.13	.19	.21	.46	.12	.08	2.79
INDIANAPOLIS	64	26	.02	.02	.02	.03	.03	.04	.05	.06	.09	.10	.29	.06	.05	1.92
KANSAS WICHITA	64	25			.01	.01	.01	.02	.02	.02	.03	.04	.05	.02	.02	2.02
MINNESOTA MINNEAPOLIS	64	26		.01	.02	.02	.03	.03	.04	.04	.05	.06	.23	.05	.03	2.30
NEW MEXICO ALBUQUERQUE	63	25		.01	.01	.02	.02	.02	.03	.04	.05	,11	.18	.04	.03	2.43
NEW YORK NEW YORK CITY	57	25		.01	.02	.02	.03	.04	.04	.05	.06	.08	.11	.04	.04	2.03
ROCHESTER	60	26	.03	.04	.04	.05	.06	.06	.10	.11	.14	.18	.55	.12	.09	2.10
OHIO YOUNGSTOWN	62	25	.03	.03	.04	.06	.08	.10	.12	.13	.14	.18	.45	.12	.09	2.02
	63	26	.03	.05	.08	.12	.13	.19	.22	.23	.31	.38	.54	.20	.16	2.16
	62 63	51	.03	.03	.05	.08	.10	.12	.15	.19	.23	.33	.54	.16	.12	2.18
OREGON PORTLAND	63	20			.01	.01	.02	.04	.07	.08	.15	.18	.24	.07	.03	4.16
	64	25		.01	.02	.03	.04	.05	.06	.07	.26	.71	1.30	.19	.06	4.48
	63 64	45		.01	.01	.03	.03	.04	.06	.08	.17	.28	1.30	.14	.05	4.39
PENNSYLVANIA JOHNSTOWN	63	23	.70	.28	.43	.52	.82	.96	1.21	1.51	1.76	2.38	6.90	1.44	.95	2.48
TENNESSEE MEMPHIS	64	24		.01	.02	.02	.03	.04	.05	.08	.09	.18	.21	.06	.05	2.43
NASHVILLE	64	26		.01	.01	.02	.03	.04	.05	.05	.06	.07	.12	.04	,03	2.30
TEXAS HOUSTON	64	24			.01	.01	.02	.03	.04	.05	.06	.08	.25	.04	.03	2.76
UTAH SALT LAKE CITY	64	24			.01	.01	.01	.02	.02	.02	.03	.04	.05	.02	.02	2.13

Table 51. MANGANESE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0044	0.0067	0.0071	0.013	0.0078
MARICOPA CO	65	0.018	0.019	0.018	0.011	0.016
ARKANSAS MONTGOMERY CO	65	0.0060	0.0069	0.0057	0.0080	0.0065
CALIFORNIA HUMBOLDT CO	65	0.0036	0.0028	0.0062	0.0033	0.0039
COLORADO MONTEZUMA CO	65	0.0042	0.0045	0.0039	0.0000	0.0031
INDIANA PARKE CO	65	0.022	0.024	0.015	0.013	0.018
IOWA DELAWARE CO	65	0.0089	0.011	0.018	0.011	0.012
MAINE ACADIA NATL PK	65	0.0037	0.0079	0.010	0.0080	0.0074
MARYLAND CALVERT CO	65	0.018	0.010	0.0099	0.014	0.012
MISSISSIPPI JACKSON CO	65	0.012	0.0085	0.0085	0.015	0.010
MISSOURI SHANNON CO	65	0.010	0.017	0.013	0.014	0.013
MONTANA GLACIER NATL PK	65	0.0038	0.0061	0.0075	0.0036	0.0052
NEBRASKA THOMAS CO	65	0.0042	0.0066	0.0069	0.0031	0.0052
NEVADA WHITE PINE CO	65	0.016	0.0030	0.0023	0.0000	0.0053
NEW HAMPSHIRE COOS CO	65	0.0030	0.0068	0.0039	0.010	0.0059
NEW MEXICO RIO ARRIBA CO	65	0.0040	0.012	0.0041	0.0000	0.0050
NEW YORK CAPE VINCENT	65	0.015	0.035	0.016	0.050	0.029
NORTH CAROLINA CAPE HATTERAS	65	0.014	0.0061	0.011	0.0077	0.0087
OKLAHOMA CHEROKEE CO	65	0.0093	0.010	0.020	0.0080	0.011
OREGON CURRY CO	65	0.0042	0.0017	0.0038	0.0000	0.0024
PENNSYLVANIA CLARION CO	65	0.037	0.044	0.027	0.080	0.047
RHODE ISLAND WASHINGTON CO	65	0.013	0.025	0.0099	0.034	0.020
SOUTH CAROLINA RICHLAND CO	65	0.015	0.0087	0.0032	0.014	0.010
SOUTH DAKOTA BLACK HILLS FRST	65	0.0000	0.0027	0.0029	0.0076	0.0033
TEXAS MATAGORA CO	65	0.010	0.0032	0.0051	0.0066	0.0062
VERMONT ORANGE CO	65	0.014	0.0064	0.016	0.022	0.014
VIRGINIA SHENANDOAH PK	65	0.017	0.021	0.016	0.020	0.018
WISCONSIN DOOR CO	65	0.0046	0.0090	0.0044	0.0084	0.0066
WYOMING YELLOWSTONE PK	65	0.0027	0.0023	0.0021	0.0000	0.0017

Table 52. MOLYBDENUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	.00	.00	.00	.00	.00
GADSDEN	64	.00	.00	.00	.00	.00
ARIZONA						
PARADISE VALLEY	64	.00	.00	.00	.00	.00
PARADISE VALLEY	65	.00	.00	.00	.00	.00
ARKANSAS						
TEXARKANA	64	.00	.00	.00	.00	.00
CALIFORNIA						
BAKERSFIELD	64	.00	.00	.00	.00	.00
BURBANK	64	.00	.00	.00	.00	.00
MONTEREY	64	.00	.00	.00	.00	.00
SAN JOSE	63	.00	.00	.00	.00	.00
CONNECTICUT						
BRIDGEPORT	62	.00	.00	.00	.00	.00
HARTFORD	64	.00	.00	.00	.00	.00
NEW HAVEN	64	.00	.00	.00	.00	.00
GEORGIA						
ATLANTA	65	.00	.00	.00	.00	.00
IDAHO						
BOISE	65	.00	.00	.00	.00	.00
ILLINOIS						
MOLINE	64	.00	.00	.00	.00	.00
ROCK ISLAND	64	.00	.00	.00	.00	.00
INDIANA						
BEVERLY SHORES	65	.00	.00	.00	.00	.00
EVANSVILLE	64	.00	.00	.00	.00	.00
FORT WAYNE	64	.00	.00	.00	.00	.00
TERRE HAUTE	63	.00	.00	.00	.00	.00
WEST LAFAYETTE	64	.00	.00	.00	.00	.00
IOWA						
DUBUQUE	64	.00	.00	.00	.00	.00
KENTUCKY						
ASHLAND	64	.00	.01	.00	.00	.00
COVINGTON	64	.00	.00	.00	.00	.00
MARYLAND						
BALTIMORE	65	.01	.00	.00	.00	.00
MASSACHUSETTS						
BROCKTON	65	.00	.00	.00	.00	.00
LYNN	62	.00	.00	.00		
SOMERVILLE	62	.00	.00	.00	.00	.00
SPRINGFIELD	64	.00	.00	.00	.00	.00
MICHIGAN						
KALAMAZOO	60	.00	.01	.00	.00	.00
MUSKEGON	63	.00	.00	.00	.00	.00
MINNESOTA						
MOORHEAD	64	.00	.00	.00	.00	.00
NEBRASKA						
LINCOLN	62	.00	.00	.00	.00	.00
NEW JERSEY						
BAYONNE	65	.00	.00			
BRIDGETON	65	.00	.00	.00	.00	.00
NEW MEXICO						
ALBUQUERQUE	65	.00	.00	.00	.00	.00
OHIO						
AKRON	65	.00	.00	.01	.01	.01
PENNSYLVANIA						
ALLENTOWN	65	.01	.00		.00	
ALTOONA	65	.01	.00	.00	.00	.00
BETHLEHEM	65	.01	.00	.00	.01	.01
PUERTO RICO						
BAYAMON	65	.00	.00	.00	.00	.00
VIRGINIA						
PORTSMOUTH	65	.00	.00	.00	.00	.00
RICHMOND	65	.00	.00	.00	.00	.00

Table 53. MOLYBDENUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m^3)
		Collected	Above Detectable Quantity	
CALIFORNIA				
SAN BERNARDINO	63	27	2	.01
FLORIDA				
TAMPA	63	25	1	.01
INDIANA				
HAMMOND	63	26	8	.03
INDIANAPOLIS	64	26	5	.01
KANSAS				
WICHITA	64	25	0	
MINNESOTA				
MINNEAPOLIS	64	26	0	
NEW MEXICO				
ALBUQUERQUE	63	25	0	
NEW YORK				
NEW YORK	57	25	11	.01
ROCHESTER	60	26	8	.01
OHIO				
YOUNGSTOWN	62	25	14	.02
YOUNGSTOWN	63	26	17	.02
OREGON				
PORTLAND	63	20	4	.01
PORTLAND	64	25	3	.02
PENNSYLVANIA				
JOHNSTOWN	63	24	16	.02
TENNESSEE				
MEMPHIS	64	24	0	
NASHVILLE	64	26	1	.01
TEXAS				
HOUSTON	64	24	2	.01
UTAH				
SALT LAKE CITY	64	24	0	

Table 54. MOLYBDENUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000	0.000	0.000	0.0010	0.0003
MARICOPA CO	65	0.0017	0.000	0.0005	0.0008	0.0007
ARKANSAS MONTGOMERY CO	65	0.0008	0.0005	0.000	0.000	0.0003
CALIFORNIA HUMBOLDT CO	65	0.000	0.000	0.000	0.000	0.000
COLORADO MONTEZUMA CO	65	0.000	0.000	0.0006	0.000	0.0001
INDIANA PARKE CO	65	0.0020	0.0010	0.0013	0.0005	0.0012
IOWA DELAWARE CO	65	0.000	0.000	0.0006	0.000	0.0002
MAINE ACADIA NATL PK	65	0.0006	0.0005	0.000	0.000	0.0002
MARYLAND CALVERT CO	65	0.0006	0.0006	0.0005	0.0006	0.0006
MISSISSIPPI JACKSON CO	65	0.0005	0.0007	0.0006	0.0006	0.0005
MISSOURI SHANNON CO	65	0.0001	0.0001	0.0005	0.000	0.0002
MONTANA GLACIER NATL PK	65	0.000	0.000	0.000	0.000	0.000
NEBRASKA THOMAS CO	65	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	65	0.000	0.000	0.000	0.000	0.000
NEW HAMPSHIRE COOS CO	65	0.000	0.000	0.000	0.000	0.000
NEW MEXICO RIO ARRIBA CO	65	0.0006	0.0005	0.0007	0.0008	0.0006
NEW YORK CAPE VINCENT	65	0.0005	0.0007	0.000	0.0026	0.0009
NORTH CAROLINA CAPE HATTERAS	65	0.0007	0.000	0.0006	0.0005	0.0004
OKLAHOMA CHEROKEE CO	65	0.0004	0.0006	0.0007	0.000	0.0006
OREGON CURRY CO	65	0.000	0.000	0.000	0.000	0.000
PENNSYLVANIA CLARION CO	65	0.0037	0.0020	0.0020	0.0052	0.0032
RHODE ISLAND WASHINGTON CO	65	0.0011	0.0013	0.0006	0.0034	0.0016
SOUTH CAROLINA RICHLAND CO	65	0.0012	0.000	0.000	0.000	0.0003
SOUTH DAKOTA BLACK HILLS FRST	65	0.000	0.000	0.000	0.0004	0.0001
TEXAS MATAGORDA CO	65	0.0012	0.0004	0.0007	0.0008	0.0008
VERMONT ORANGE CO	65	0.0007	0.000	0.000	0.0014	0.0005
VIRGINIA SHENANDOAH PK	65	0.0016	0.0013	0.000	0.0010	0.0010
WISCONSIN DOOR CO	65	0.000	0.0006	0.0005	0.0007	0.0004
WYOMING YELLOWSTONE PK	65	0.0005	0.000	0.000	0.0014	0.0005

Table 55. NICKEL, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.006	.000	.000	.011	.004
GADSDEN	64	.000	.000	.007	.007	.004
ARIZONA PARADISE VALLEY	64	.000	.007	.000	.000	.002
PARADISE VALLEY	65	.003	.002	.002	.001	.002
ARKANSAS TEXARKANA	64	.005	.000	.000	.000	.001
CALIFORNIA BAKERSFIELD	64	.031	.017	.031	.045	.031
BURBANK	64	.026	.010	.033	.053	.031
MONTEREY	64	.000	.008	.007	.019	.009
SAN JOSE	63	.019	.006	.011	.013	.012
CONNECTICUT BRIDGEPORT	62	.042	.022	.019	.038	.030
HARTFORD	64	.053	.019	.015	.049	.034
NEW HAVEN	64	.038	.044	.021	.043	.037
GEORGIA ATLANTA	65	.013	.007	.006	.000	.007
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.005	.008	.007	.007	.007
ROCK ISLAND	64	.007	.017	.017	.007	.012
INDIANA BEVERLY SHORES	65	.005	.000	.010	.000	.004
EVANSVILLE	64	.007	.000	.000	.000	.002
FORT WAYNE	64	.000	.000	.000	.014	.004
TERRE HAUTE	63	.009	.000	.000	.007	.004
WEST LAFAYETTE	64	.008	.008	.005	.022	.011
IOWA DUBUQUE	64	.000	.000	.000	.010	.003
KENTUCKY ASHLAND	64	.016	.038	.007	.025	.022
COVINGTON	64	.007	.007	.012	.007	.008
MARYLAND BALTIMORE	65	.045	.020	.030	.040	.034
MASSACHUSETTS BROCKTON	65	.011	.014	.015	.024	.016
LYNN	62	.047	.048	.024		
SOMERVILLE	62	.063	.046	.032	.068	.052
SPRINGFIELD	64	.024	.016	.013	.027	.020
MICHIGAN KALAMAZOO	60	.008	.014	.005	.018	.011
MUSKEGON	63	.011	.011	.011	.008	.010
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.008	.005	.008	.000	.005
NEW JERSEY BAYONNE	65	.038	.062			
BRIDGETON	65	.013	.009	.013	.009	.011
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.014	.013	.023	.019	.017
PENNSYLVANIA ALLENTOWN	65	.017	.006		.018	
ALTOONA	65	.011	.000	.008	.000	.005
BETHLEHEM	65	.019	.010	.012	.033	.019
PUERTO RICO BAYAMON	65	.024	.033	.012	.013	.021
VIRGINIA PORTSMOUTH	65	.022	.021	.017	.014	.019
RICHMOND	65	.023	.025	.010	.029	.022

Table 56. NICKEL, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Gep Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22	.007	.009	.012	.017	.021	.026	.027	.030	.039	.048	.120	.030	.024	1.93
FLORIDA TAMPA	63	23	.006	.006	.008	.008	.009	.013	.014	.015	.020	.023	.032	.014	.013	1.61
INDIANA HAMMOND	63	26		.001	.009	.012	.013	.016	.018	.020	.025	.028	.062	.018	.011	4.15
INDIANAPOLIS	64	26		.005	.007	.008	.008	.009	.014	.016	.020	.022	.053	.014	.010	2.79
KANSAS WICHITA	64	25				.001	.001	.001	.001	.006	.007	.010	.012	.003	.001	4.04
MINNESOTA MINNEAPOLIS	64	26					.001	.001	.001	.007	.008	.010	.013	.003	.001	4.20
NEW MEXICO ALBUQUERQUE	63	25					.001	.001	.001	.001	.001	.010	.013	.002	.001	3.27
NEW YORK NEW YORK CITY	57	25	.026	.028	.042	.053	.063	.078	.095	.174	.190	.288	.380	.118	.088	2.20
ROCHESTER	60	26	.008	.012	.013	.016	.020	.023	.028	.032	.053	.063	.360	.052	.029	2.58
OHIO YOUNGSTOWN	62	25		.001	.005	.007	.010	.011	.013	.015	.016	.024	.049	.012	.008	3.73
	63	26		.006	.007	.011	.012	.013	.014	.015	.021	.023	.029	.014	.011	2.69
	62 63	51		.001	.006	.009	.011	.012	.014	.015	.019	.023	.049	.013	.009	3.20
OREGON PORTLAND	63	20		.009	.018	.024	.029	.031	.033	.036	.042	.055	.068	.031	.024	2.85
	64	25		.014	.024	.032	.036	.039	.041	.059	.072	.105	.120	.048	.039	2.97
	63 64	45		.010	.022	.028	.031	.035	.038	.042	.058	.083	.120	.041	.030	2.93
PENNSYLVANIA JOHNSTOWN	63	23		.005	.007	.009	.011	.012	.014	.018	.021	.032	.052	.016	.012	2.54
TENNESSEE MEMPHIS	64	24					.001	.001	.001	.001	.001	.007	.021	.002	.001	3.24
NASHVILLE	64	26				.001	.001	.001	.007	.007	.008	.009	.013	.004	.002	4.31
TEXAS HOUSTON	64	24				.001	.001	.001	.006	.008	.009	.016	.028	.006	.002	4.94
UTAH SALT LAKE CITY	64	24					.001	.001	.001	.005	.009	.010	.020	.004	.001	4.29

Table 57. NICKEL, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000[illegible]	0.0000	0.0012	0.0011	0.0006
MARICOPA CO	65	0.0027	0.0024	0.0023	0.0012	0.0022
ARKANSAS MONTGOMERY CO	65	0.0015	0.0019	0.00[illegible]	0.0014	0.0012
CALIFORNIA HUMBOLDT CO	65	0.0022	0.0010	0.0021	0.0000	0.0013
COLORADO MONTEZUMA CO	65	0.0013	0.0012	0.0014	0.0010	0.0012
INDIANA PARKE CO	65	0.0033	0.0042	0.0030	0.0015	0.0030
IOWA DELAWARE CO	65	0.0014	0.0014	0.0019	0.0013	0.0015
MAINE ACADIA NATL PK	65	0.0020	0.017	0.014	0.013	0.011
MARYLAND CALVERT CO	65	0.0034	0.0022	0.0032	0.0039	0.0032
MISSISSIPPI JACKSON CO	65	0.012	0.014	0.013	0.012	0.012
MISSOURI SHANNON CO	65	0.0009	0.0020	0.0026	0.0013	0.0017
MONTANA GLACIER NATL PK	65	0.0018	0.0097	0.0016	0.0000	0.0033
NEBRASKA THOMAS CO	65	0.0015	0.0017	0.0013	0.0000	0.0011
NEVADA WHITE PINE CO	65	0.0020	0.0013	0.0000	0.0000	0.0008
NEW HAMPSHIRE COOS CO	65	0.0010	0.0016	0.0031	0.0027	0.0021
NEW MEXICO RIO ARRIBA CO	65	0.0019	0.0030	0.002[illegible]	0.0022	0.0024
NEW YORK CAPE VINCENT	65	0.0025	0.0030	0.0016	0.0059	0.0033
NORTH CAROLINA CAPE HATTERAS	65	0.0033	0.0000	0.0018	0.0053	0.0026
OKLAHOMA CHEROKEE CO	65	0.0013	0.0012	0.0019	0.0010	0.0013
OREGON CURRY CO	65	0.0028	0.0010	0.0020	0.0011	0.0017
PENNSYLVANIA CLARION CO	65	0.0044	0.0046	0.0027	0.0040	0.0039
RHODE ISLAND WASHINGTON CO	65	0.0048	0.011	0.0042	0.013	0.0083
SOUTH CAROLINA RICHLAND CO	65	0.0026	0.0010	0.0000	0.0018	0.0013
SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0019	0.0000	0.0010	0.0007
TEXAS MATAGORA CO	65	0.0031	0.0011	0.0016	0.0013	0.0018
VERMONT ORANGE CO	65	0.0076	0.0000	0.0031	0.0072	0.0045
VIRGINIA SHENANDOAH PK	65	0.0026	0.0028	0.0018	0.0024	0.0024
WISCONSIN DOOR CO	65	0.0011	0.0021	0.0018	0.0017	0.0017
WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 58. TIN, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.01	.01	.00	.02	.01
GADSDEN	64	.00	.00	.00	.00	.00
ARIZONA PARADISE VALLEY	64	.00	.00	.00	.00	.00
PARADISE VALLEY	65	.00	.00	.00	.00	.00
ARKANSAS TEXARKANA	64	.00	.00	.00	.00	.00
CALIFORNIA BAKERSFIELD	64	.00	.00	.00	.00	.00
BURBANK	64	.00	.00	.00	.00	.00
MONTEREY	64	.00	.00	.00	.00	.00
SAN JOSE	63	.00	.00	.00	.00	.00
CONNECTICUT BRIDGEPORT	62	.00	.00	.01	.00	.00
HARTFORD	64	.01	.00	.00	.00	.00
NEW HAVEN	64	.00	.01	.00	.01	.01
GEORGIA ATLANTA	65	.02	.01	.01	.02	.02
IDAHO BOISE	65	.00	.00	.00	.00	.00
ILLINOIS MOLINE	64	.00	.00	.00	.00	.00
ROCK ISLAND	64	.00	.00	.00	.00	.00
INDIANA BEVERLY SHORES	65	.00	.00	.00	.00	.00
EVANSVILLE	64	.00	.00	.00	.00	.00
FORT WAYNE	64	.00	.00	.00	.00	.00
TERRE HAUTE	63	.00	.00	.00	.00	.00
WEST LAFAYETTE	64	.00	.00	.00	.01	.00
IOWA DUBUQUE	64	.00	.00	.00	.00	.00

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.00	.00	.00	.00	.00
COVINGTON	64	.00	.00	.01	.01	.01
MARYLAND BALTIMORE	65	.01	.00	.00	.01	.01
MASSACHUSETTS BROCKTON	65	.00	.00	.00	.01	.00
LYNN	62	.00	.00	.00		
SOMERVILLE	62	.00	.00	.00	.00	.00
SPRINGFIELD	64	.00	.00	.00	.00	.00
MICHIGAN KALAMAZOO	60	.00	.00	.00	.00	.00
MUSKEGON	63	.01	.02	.03	.04	.03
MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00
NEBRASKA LINCOLN	62	.00	.01	.00	.00	.00
NEW JERSEY BAYONNE	65	.01	.02			
BRIDGETON	65	.00	.00	.00	.00	.00
NEW MEXICO ALBUQUERQUE	65	.00	.00	.00	.00	.00
OHIO AKRON	65	.01	.00	.01	.00	.01
PENNSYLVANIA ALLENTOWN	65	.01	.00		.01	
ALTOONA	65	.00	.00	.00	.00	.00
BETHLEHEM	65	.00	.00	.00	.01	.00
PUERTO RICO BAYAMON	65	.00	.00	.00	.00	.00
VIRGINIA PORTSMOUTH	65	.00	.01	.00	.00	.00
RICHMOND	65	.00	.00	.00	.00	.00

Table 59. TIN, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent								Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22						.01	.01	.01	.01	.01	.00			1.03
FLORIDA																
TAMPA	63	23						.01	.01	.01	.01	.01	.02	.01	.01	1.68
INDIANA																
HAMMOND	63	26					.01	.01	.01	.01	.01	.02	.03	.01	.01	1.81
INDIANAPOLIS	64	26						.01	.01	.01	.01	.01	.04	.01	.01	1.71
KANSAS																
WICHITA	64	25						.01	.01	.01	.01	.01	.02		.01	1.32
MINNESOTA																
MINNEAPOLIS	64	26						.01	.01	.01	.01	.01	.01		.01	1.38
NEW MEXICO																
ALBUQUERQUE	63	25						.01	.01	.01	.01	.01	.00			1.00
NEW YORK																
NEW YORK CITY	57	25						.01	.01	.01	.01	.02	.04	.01	.01	1.68
ROCHESTER	60	26						.01	.01	.01	.01	.01	.02	.01	.01	1.70
OHIO																
YOUNGSTOWN	62	25						.01	.01	.01	.01	.01	.01		.01	1.39
	63	26						.01	.01	.01	.01	.01	.02	.01	.01	1.49
	62 63	51						.01	.01	.01	.01	.01	.02		.01	1.48
OREGON																
PORTLAND	63	20						.01	.01	.01	.01	.01	.01		.01	1.37
	64	25						.01	.01	.01	.01	.01	.01		.01	1.27
	63 64	45						.01	.01	.01	.01	.01	.01		.01	1.32
PENNSYLVANIA																
JOHNSTOWN	63	23						.01	.01	.01	.01	.01	.01		.01	1.16
TENNESSEE																
MEMPHIS	64	24						.01	.01	.01	.01	.01	.00			1.03
NASHVILLE	64	26						.01	.01	.01	.01	.01	.01		.01	1.15
TEXAS																
HOUSTON	64	24						.01	.01	.01	.01	.01	.02		.01	1.64
UTAH																
SALT LAKE CITY	64	24						.01	.01	.01	.01	.01	.01		.01	1.23

Table 60. TIN, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar	2nd Quar	3rd Quar	4th Quar	Yrly Avg
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0000	0.0010	0.0003
MARICOPA CO	65	0.0015	0.0000	0.0000	0.0013	0.0007
ARKANSAS MONTGOMERY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
CALIFORNIA HUMBOLDT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
COLORADO MONTEZUMA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
INDIANA PARKE CO	65	0.0015	0.0000	0.0000	0.0000	0.0004
IOWA DELAWARE CO	65	0.0000	0.0000	0.0009	0.0000	0.0002
MAINE ACADIA NATL PK	65	0.0000	0.0017	0.0010	0.0000	0.0007
MARYLAND CALVERT CO	65	0.0013	0.0010	0.0014	0.0011	0.0012
MISSISSIPPI JACKSON CO	65	0.0000	0.0000	0.0009	0.0000	0.0002
MISSOURI SHANNON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MONTANA GLACIER NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEBRASKA THOMAS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEVADA WHITE PINE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW HAMPSHIRE COOS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW MEXICO RIO ARRIBA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW YORK CAPE VINCENT	65	0.0000	0.0010	0.0000	0.0026	0.0009
NORTH CAROLINA CAPE HATTERAS	65	0.0000	0.0000	0.0000	0.0000	0.0000
OKLAHOMA CHEROKEE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
OREGON CURRY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
PENNSYLVANIA CLARION CO	65	0.0014	0.0016	0.0019	0.0019	0.0016
RHODE ISLAND WASHINGTON CO	65	0.0014	0.0070	0.0000	0.0075	0.0040
SOUTH CAROLINA RICHLAND CO	65	0.0014	0.0009	0.0000	0.0000	0.0006
SOUTH DAKOTA BLACK HILLS FRST	65	0.0000	0.0000	0.0000	0.0000	0.0000
TEXAS MATAGORDA CO	65	0.0000	0.0000	0.0000	0.0009	0.0002
VERMONT ORANGE CO	65	0.0010	0.0000	0.0000	0.0017	0.0007
VIRGINIA SHENANDOAH PK	65	0.0000	0.0010	0.0000	0.0008	0.0005
WISCONSIN DOOR CO	65	0.0000	0.0018	0.0000	0.0012	0.0008
WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 61. TITANIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter 1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA						
BIRMINGHAM	65	. 2	.02	.01	.07	.03
GADSDEN	64	.01	.00	.01	.02	.01
ARIZONA						
PARADISE VALLEY	64	.01	.02	.01	.01	.01
PARADISE VALLEY	65	.03	.02	.02	.01	.02
ARKANSAS						
TEXARKANA	64	.01	.00	.00	.01	.01
CALIFORNIA						
BAKERSFIELD	64	.04	.06	.09	.07	.07
BURBANK	64	.03	.03	.08	.04	.05
MONTEREY	64	.00	.02	.02	.03	.02
SAN JOSE	63	.06	.02	.06	.03	.04
CONNECTICUT						
BRIDGEPORT	62	.01	.00	.02	.00	.01
HARTFORD	64	.02	.00	.00	.01	.01
NEW HAVEN	64	.00	.02	.00	.00	.01
GEORGIA						
ATLANTA	65	.05	.04	.02	.02	.03
IDAHO						
BOISE	65	.01	.02	.03	.03	.02
ILLINOIS						
MOLINE	64	.02	.04	.02	.02	.03
ROCK ISLAND	64	.01	.03	.03	.02	.02
INDIANA						
BEVERLY SHORES	65	.00	.01	.00	.00	.00
EVANSVILLE	64	.00	.00	.00	.00	.00
FORT WAYNE	64	.00	.00	.00	.00	.00
TERRE HAUTE	63	.01	.01	.00	.01	.01
WEST LAFAYETTE	64	.00	.02	.00	.02	.01
IOWA						
DUBUQUE	64	.00	.01	.01	.02	.01
KENTUCKY						
ASHLAND	64	.03	.03	.01	.01	.02
COVINGTON	64	.02	.01	.03	.02	.02
MARYLAND						
BALTIMORE	65	.01	.01	.01	.01	.01
MASSACHUSETTS						
BROCKTON	65	.01	.01	.01	.01	.01
LYNN	62	.00	.00	.00		
SOMERVILLE	62	.02	.02	.00	.02	.02
SPRINGFIELD	64	.01	.01	.01	.01	.01
MICHIGAN						
KALAMAZOO	60	.00	.03	.02	.04	.02
MUSKEGON	63	.00	.00	.01	.00	.00
MINNESOTA						
MOORHEAD	64	.00	.00	.00	.00	.00
NEBRASKA						
LINCOLN	62	.01	.01	.00	.00	.01
NEW JERSEY						
BAYONNE	65	.01	.03			
BRIDGETON	65	.01	.01	.01	.01	.01
NEW MEXICO						
ALBUQUERQUE	65	.02	.01	.01	.01	.01
OHIO						
AKRON	65	.04	.04	.06	.06	.05
PENNSYLVANIA						
ALLENTOWN	65	.02	.01		.03	
ALTOONA	65	.02	.01	.00	.01	.01
BETHLEHEM	65	.01	.01	.01	.04	.02
PUERTO RICO						
BAYAMON	65	.02	.05	.02	.02	.03
VIRGINIA						
PORTSMOUTH	65	.02	.03	.02	.03	.03
RICHMOND	65	.02	.05	.03	.04	.04

Table 62. TITANIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	27	.01	.01	.01	.02	.02	.03	.05	.06	.09	.10	.21	.06	.04	2.41
FLORIDA																
TAMPA	63	23					.01	.01	.01	.01	.01	.02	.05	.01	.01	2.10
INDIANA																
HAMMOND	63	26			.01	.01	.01	.02	.03	.03	.06	.09	.17	.04	.02	2.72
INDIANAPOLIS	64	26	.01		.01	.02	.03	.03	.04	.04	.05	.05	.09	.04	.03	2.07
KANSAS																
WICHITA	64	25					.01	.01	.01	.01	.01	.02	.06	.01	.01	2.05
MINNESOTA																
MINNEAPOLIS	64	26	.01	.01	.02	.03	.04	.05	.06	.06	.07	.08	.10	.05	.04	2.09
NEW MEXICO																
ALBUQUERQUE	63	25			.01	.01	.01	.02	.03	.04	.06	.15	.19	.04	.02	3.51
NEW YORK																
NEW YORK CITY	57	25				.01	.01	.02	.02	.03	.05	.09	.15	.03	.02	3.04
ROCHESTER	60	26		.01	.01	.02	.02	.03	.04	.04	.07	.09	.17	.04	.03	2.71
OHIO																
YOUNGSTOWN	62	25				.01	.01	.01	.01	.02	.03	.05	.14	.02	.01	2.56
	63	26				.01	.01	.01	.02	.03	.04	.05	.13	.02	.02	2.69
	62 63	51				.01	.01	.01	.02	.02	.03	.05	.14	.02	.01	2.62
OREGON																
PORTLAND	63	20						.01	.01	.01	.01	.02	.03		.01	1.78
	64	25				.01	.01	.01	.02	.02	.03	.06	.09	.02	.02	2.51
	63 64	45					.01	.01	.01	.01	.02	.05	.09	.01	.01	2.45
PENNSYLVANIA																
JOHNSTOWN	63	23			.01	.01	.01	.02	.02	.03	.03	.06	.18	.03	.02	2.81
TENNESSEE																
MEMPHIS	64	24						.01	.01	.01	.01	.02	.03		.01	1.74
NASHVILLE	64	26					.01	.01	.01	.01	.02	.02	.06	.01	.01	1.91
TEXAS																
HOUSTON	64	24						.01	.01	.01	.01	.01	.05	.01	.01	1.77
UTAH																
SALT LAKE CITY	64	24				.01	.01	.01	.01	.02	.02	.03	.04	.02	.01	1.88

Table 63. TITANIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	69	0.0048	0.0070	0.0059	0.0056	0.0057
MARICOPA CO	69	0.027	0.016	0.0140	0.0058	0.016
ARKANSAS MONTGOMERY CO	69	0.0055	0.0066	0.0035	0.0033	0.0047
CALIFORNIA HUMBOLDT CO	69	0.0088	0.0033	0.0085	0.0046	0.0063
COLORADO MONTEZUMA CO	69	0.0063	0.0072	0.012	0.0036	0.0072
INDIANA PARKE CO	69	0.014	0.014	0.020	0.0060	0.013
IOWA DELAWARE CO	69	0.0043	0.0060	0.011	0.0082	0.0073
MAINE ACADIA NATL PK	69	0.0026	0.0039	0.0051	0.0037	0.0036
MARYLAND CALVERT CO	69	0.0032	0.0035	0.0034	0.0038	0.0034
MISSISSIPPI JACKSON CO	69	0.0036	0.0044	0.0084	0.0088	0.0063
MISSOURI SHANNON CO	69	0.0033	0.0049	0.0069	0.0045	0.0065
MONTANA GLACIER NATL PK	69	0.0067	0.0038	0.0037	0.0033	0.0043
NEBRASKA THOMAS CO	69	0.0075	0.010	0.0075	0.0024	0.0068
NEVADA WHITE PINE CO	69	0.020	0.0054	0.0029	0.0000	0.0071
NEW HAMPSHIRE COOS CO	69	0.0016	0.0049	0.0034	0.0040	0.0036
NEW MEXICO RIO ARRIBA CO	69	0.011	0.025	0.020	0.017	0.018
NEW YORK CAPE VINCENT	69	0.0044	0.0074	0.0039	0.011	0.0067
NORTH CAROLINA CAPE HATTERAS	69	0.0094	0.0029	0.0086	0.0063	0.0061
OKLAHOMA CHEROKEE CO	69	0.0037	0.0026	0.0061	0.0023	0.0036
OREGON CURRY CO	69	0.0069	0.0026	0.011	0.0016	0.0054
PENNSYLVANIA CLARION CO	69	0.018	0.022	0.0069	0.013	0.015
RHODE ISLAND WASHINGTON CO	69	0.0079	0.036	0.0090	0.028	0.017
SOUTH CAROLINA RICHLAND CO	69	0.015	0.0036	0.0021	0.0030	0.0066
SOUTH DAKOTA BLACK HILLS FR	69	0.0011	0.0039	0.0024	0.0076	0.0036
TEXAS MATAGORDA CO	69	0.0080	0.0074	0.0067	0.0069	0.0072
VERMONT ORANGE CO	69	0.013	0.0019	0.0061	0.0045	0.0076
VIRGINIA SHENANDOAH PK	69	0.0076	0.010	0.0081	0.013	0.0096
WISCONSIN DOOR CO	69	0.0019	0.0067	0.0078	0.0061	0.0059
WYOMING YELLOWSTONE PK	69	0.0094	0.0036	0.0063	0.0028	0.0040

Table 64. VANADIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.004	.004	.000	.004	.003
GADSDEN	64	.000	.000	.000	.004	.001
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.001	.001	.001	.000	.001
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.005	.003	.006	.007	.005
BURBANK	64	.008	.003	.006	.015	.008
MONTEREY	64	.000	.004	.004	.005	.003
SAN JOSE	63	.006	.000	.000	.000	.002
CONNECTICUT BRIDGEPORT	62	.140	.067	.054	.120	.095
HARTFORD	64	.130	.043	.030	.090	.073
NEW HAVEN	64	.100	.069	.055	.120	.086
GEORGIA ATLANTA	65	.004	.000	.000	.000	.001
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.003	.004	.003	.003	.003
ROCK ISLAND	64	.000	.003	.003	.003	.002
INDIANA BEVERLY SHORES	65	.003	.003	.000	.000	.002
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.005	.003	.000	.013	.005
IOWA DUBUQUE	64	.000	.000	.000	.000	.000
KENTUCKY ASHLAND	64	.003	.004	.000	.003	.003
COVINGTON	64	.003	.003	.005	.004	.004
MARYLAND BALTIMORE	65	.100	.037	.060	.088	.071
MASSACHUSETTS BROCKTON	65	.036	.055	.039	.060	.043
LYNN	62	.240	.220	.050		
SOMERVILLE	62	.230	.120	.068	.230	.162
SPRINGFIELD	64	.084	.032	.033	.094	.061
MICHIGAN KALAMAZOO	60	.000	.003	.000	.011	.004
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.003	.000	.000	.000	.001
NEW JERSEY BAYONNE	65	.074	.140			
BRIDGETON	65	.031	.021	.021	.014	.022
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.006	.004	.005	.005	.005
PENNSYLVANIA ALLENTOWN	65	.014	.007		.022	
ALTOONA	65	.000	.000	.003	.000	.001
BETHLEHEM	65	.033	.014	.015	.063	.031
PUERTO RICO BAYAMON	65	.048	.076	.022	.022	.042
VIRGINIA PORTSMOUTH	65	.061	.033	.024	.037	.039
RICHMOND	65	.082	.078	.025	.100	.071

Table 65. VANADIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22		.001	.003	.005	.007	.008	.009	.011	.014	.017	.034	.010	.007	2.90
FLORIDA																
TAMPA	63	23	.007	.007	.009	.012	.014	.017	.020	.023	.049	.056	.085	.025	.019	2.11
INDIANA																
HAMMOND	63	26		.001	.001	.006	.008	.014	.019	.021	.024	.041	.078	.019	.008	5.45
INDIANAPOLIS	64	26			.001	.001	.001	.003	.003	.004	.005	.006	.014	.003	.002	3.37
KANSAS																
WICHITA	64	25						.001	.001	.001	.001	.001	.000			1.00
MINNESOTA																
MINNEAPOLIS	64	26			.001	.001	.001	.004	.005	.006	.010	.017	.031	.006	.003	4.39
NEW MEXICO																
ALBUQUERQUE	63	25						.001	.001	.001	.001	.001	.004		.001	1.79
NEW YORK																
NEW YORK CITY	57	25	.074	.099	.133	.185	.263	.308	.331	.486	.580	.177	2.000	.458	.306	2.45
ROCHESTER	60	26		.001	.004	.006	.007	.008	.010	.011	.016	.020	.035	.010	.006	3.45
OHIO																
YOUNGSTOWN	62	25					.001	.001	.001	.001	.001	.003	.009	.001	.001	2.40
	63	26					.001	.001	.001	.001	.004	.005	.013	.002	.001	3.10
	62 63	51					.001	.001	.001	.001	.003	.004	.013	.001	.001	2.75
OREGON																
PORTLAND	63	20		.001	.005	.010	.011	.015	.016	.017	.020	.024	.037	.014	.009	3.81
	64	25		.003	.006	.009	.011	.015	.017	.024	.034	.052	.057	.021	.013	3.48
	63 64	45		.001	.005	.010	.011	.015	.016	.021	.024	.041	.057	.018	.011	3.62
PENNSYLVANIA																
JOHNSTOWN	63	23				.001	.001	.001	.001	.003	.003	.005	.014	.002	.001	3.24
TENNESSEE																
MEMPHIS	64	24						.001	.001	.001	.001	.001	.005		.001	1.80
NASHVILLE	64	24						.001	.001	.001	.001	.001	.005		.001	1.76
TEXAS																
HOUSTON	64	24						.001	.001	.001	.001	.003	.004		.001	1.91
UTAH																
SALT LAKE CITY	64	24						.001	.001	.001	.001	.001	.000			1.03

Table 66. VANADIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES.

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.0062	0.00056	0.00059	0.0018
MARICOPA CO	65	0.0014	0.00080	0.00087	0.0000	0.00077
ARKANSAS MONTGOMERY CO	65	0.00098	0.00080	0.00065	0.00066	0.00079
CALIFORNIA HUMBOLDT CO	65	0.00098	0.00060	0.0011	0.00074	0.00086
COLORADO MONTEZUMA CO	65	0.00096	0.00087	0.0015	0.00062	0.00094
INDIANA PARKE CO	65	0.0022	0.0017	0.0025	0.00090	0.0018
IOWA DELAWARE CO	65	0.00086	0.00061	0.0011	0.00071	0.00083
MAINE ACADIA NATL PK	65	0.0053	0.015	0.0080	0.0062	0.0086
MARYLAND CALVERT CO	65	0.0048	0.0041	0.0080	0.0085	0.0063
MISSISSIPPI JACKSON CO	65	0.00095	0.0015	0.0017	0.0016	0.0014
MISSOURI SHANNON CO	65	0.00049	0.00084	0.00093	0.00093	0.00079
MONTANA GLACIER NATL PK	65	0.0011	0.00092	0.00056	0.0000	0.00055
NEBRASKA THOMAS CO	65	0.00093	0.0011	0.00089	0.0000	0.00073
NEVADA WHITE PINE CO	65	0.0074	0.00072	0.0000	0.0000	0.0020
NEW HAMPSHIRE COOS CO	65	0.0017	0.0030	0.0019	0.0053	0.0028
NEW MEXICO RIO ARRIBA CO	65	0.0015	0.0025	0.0023	0.019	0.0063
NEW YORK CAPE VINCENT	65	0.0060	0.0043	0.0016	0.011	0.0056
NORTH CAROLINA CAPE HATTERAS	65	0.0050	0.0011	0.0033	0.0028	0.0030
OKLAHOMA CHEROKEE CO	65	0.00082	0.00063	0.00070	0.0000	0.00054
OREGON CURRY CO	65	0.00010	0.00049	0.0012	0.0000	0.00045
PENNSYLVANIA CLARION CO	65	0.0039	0.0032	0.0014	0.0017	0.0025
RHODE ISLAND WASHINGTON CO	65	0.017	0.036	0.0000	0.044	0.024
SOUTH CAROLINA RICHLAND CO	65	0.0034	0.0000	0.0070	0.0016	0.0030
SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0000	0.0000	0.00076	0.00019
TEXAS MATAGORA CO	65	0.0015	0.0015	0.0010	0.0013	0.0012
VERMONT ORANGE CO	65	0.027	0.0016	0.0052	0.022	0.013
VIRGINIA SHENANDOAH PK	65	0.0013	0.0029	0.0015	0.0029	0.0020
WISCONSIN DOOR CO	65	0.0010	0.0011	0.00088	0.0013	0.0010
WYOMING YELLOWSTONE PK	65	0.0013	0.0000	0.0000	0.0000	0.00033

Table 67. ZINC, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.79	.88	.50	2.20	1.09
GADSDEN	64	.32	.97	.42	.25	.49
ARIZONA PARADISE VALLEY	64	.00	.00	.00	.18	.05
PARADISE VALLEY	65	.09	.09	.12	.09	.10
ARKANSAS TEXARKANA	64	.00	.00	.00	.00	.00
CALIFORNIA BAKERSFIELD	64	.00	.00	.00	.00	.00
BURBANK	64	.00	.17	.64	.00	.20
MONTEREY	64	.00	.00	.00	.00	.00
SAN JOSE	63	.00	.00	.00	.00	.00
CONNECTICUT BRIDGEPORT	62	2.10	1.70	.39	2.20	1.60
HARTFORD	64	.00	.00	.00	.00	.00
NEW HAVEN	64	.00	.00	.00	.00	.00
GEORGIA ATLANTA	65	.26	.67	.44	.71	.52
IDAHO BOISE	65	.00	.00	.00	.00	.00
ILLINOIS MOLINE	64	.00	.00	.00	.00	.00
ROCK ISLAND	64	.00	.23	.28	.00	.13
INDIANA BEVERLY SHORES	65	.29	.32	.00	.20	.20
EVANSVILLE	64	.00	.00	.00	.00	.00
FORT WAYNE	64	.00	.00	.00	.00	.00
TERRE HAUTE	63	.00	.00	.00	.00	.00
WEST LAFAYETTE	64	.00	.00	.00	.16	.04
IOWA DUBUQUF	64	.00	.00	.00	.00	.00
KENTUCKY ASHLAND	64	.67	.61	.31	.58	.54
COVINGTON	64	.71	1.40	2.90	1.80	1.70
MARYLAND BALTIMORE	65	.55	.31	.25	.25	.34
MASSACHUSETTS BROCKTON	65	.00	.00	.00	.42	.11
LYNN	62	.00	.42	.00		
SOMERVILLE	62	.00	.65	.00	.18	.21
SPRINGFIELD	64	.14	.00	.14	.00	.07
MICHIGAN KALAMAZOO	60	.00	.00	.00	.14	.04
MUSKEGON	63	.30	1.10	1.40	2.40	1.30
MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00
NEBRASKA LINCOLN	62	.09	1.90	.00	.00	.50
NEW JERSEY BAYONNE	65	.41	.74			
BRIDGETON	65	.00	.15	.16	.00	.08
NEW MEXICO ALBUQUERQUE	65	.00	.00	.00	.00	.00
OHIO AKRON	65	.45	.62	.43	.41	.48
PENNSYLVANIA ALLENTOWN	65	.58	.28		.30	
ALTOONA	65	.46	.00	.36	.24	.27
BETHLEHEM	65	.64	.57	.60	.88	.67
PUERTO RICO BAYAMON	65	.00	.00	.00	.00	.00
VIRGINIA PORTSMOUTH	65	.13	.00	.18	.00	.08
RICHMOND	65	.00	.00	.00	.00	.00

Table 68. ZINC, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA																
SAN BERNARDINO	63	22					.01	.01	.01	.01	.01	.24	.30	.05	.01	4.81
FLORIDA																
TAMPA	63	23					.01	.01	.01	.01	.13	1.14	3.00	.29	.02	9.73
INDIANA																
HAMMOND	63	26		.01	.01	.31	.42	.53	.69	.86	1.52	2.03	3.40	.84	.29	8.58
INDIANAPOLIS	64	26		.01	.01	.39	.42	.46	.50	.54	.69	.74	.84	.42	.18	7.58
KANSAS																
WICHITA	64	25					.01	.01	.01	.29	.36	.64	1.00	.18	.02	9.25
MINNESOTA																
MINNEAPOLIS	64	26						.01	.01	.01	.01	.01	.57	.06	.01	4.47
NEW MEXICO																
ALBUQUERQUE	63	25						.01	.01	.01	.01	.01	.00			1.00
NEW YORK																
NEW YORK CITY	57	25		.01	.15	.36	.48	.54	.60	.74	1.32	2.03	4.70	.89	.32	7.63
ROCHESTER	60	26			.01	.10	.11	.18	.31	.44	.48	.74	1.20	.31	.11	7.43
OHIO																
YOUNGSTOWN	62	25				.01	.01	.09	.24	.36	.48	.99	2.30	.32	.05	10.62
	63	26		.01	.01	.29	.39	.64	.78	.86	.99	1.52	4.30	.75	.29	9.56
	62 63	51			.01	.01	.10	.31	.48	.74	.89	1.32	4.30	.54	.11	11.18
OREGON																
PORTLAND	63	20					.01	.01	.01	.01	.01	.29	.80	.08	.01	5.95
	64	25				.01	.01	.01	.31	.86	1.32	3.88	4.80	.84	.07	17.55
	63 64	45					.01	.01	.01	.29	.74	1.76	4.80	.50	.03	13.14
PENNSYLVANIA																
JOHNSTOWN	63	23						.01	.01	.01	.01	.01	.16	.01	.01	2.07
TENNESSEE																
MEMPHIS	64	24						.01	.01	.01	.01	.01	.31	.01	.01	2.33
NASHVILLE	64	26					.01	.01	.01	.18	.27	.36	1.10	.13	.02	7.72
TEXAS																
HOUSTON	64	24				.01	.01	.29	.34	.48	.56	.64	.95	.28	.06	10.57
UTAH																
SALT LAKE CITY	64	24						.01	.01	.01	.01	.27	.36	.04	.01	4.02

Table 69. ZINC, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	69	0.0000	0.040	0.0000	0.073	0.028
MARICOPA CO	69	0.093	0.099	0.12	0.085	0.099
ARKANSAS MONTGOMERY CO	69	0.038	0.0000	0.033	0.043	0.028
CALIFORNIA HUMBOLDT CO	69	0.038	0.0000	0.0000	0.0000	0.0095
COLORADO MONTEZUMA CO	69	0.048	0.036	0.0000	0.054	0.034
INDIANA PARKE CO	69	0.17	0.11	0.093	0.058	0.10
IOWA DELAWARE CO	69	0.047	0.037	0.082	0.046	0.053
MAINE ACADIA NATL PK	69	0.0000	0.069	0.098	0.043	0.041
MARYLAND CALVERT CO	69	0.11	0.065	0.12	0.076	0.094
MISSISSIPPI JACKSON CO	69	0.080	0.053	0.089	0.071	0.072
MISSOURI SHANNON CO	69	0.036	0.075	0.040	0.051	0.050
MONTANA GLACIER NATL PK	69	0.032	0.042	0.0000	0.0000	0.018
NEBRASKA THOMAS CO	69	0.057	0.043	0.037	0.038	0.043
NEVADA WHITE PINE CO	69	0.054	0.0000	0.0000	0.0000	0.013
NEW HAMPSHIRE COOS CO	69	0.0000	0.047	0.0000	0.043	0.022
NEW MEXICO RIO ARRIBA CO	69	0.0000	0.072	0.048	0.0000	0.030

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW YORK CAPE VINCENT	69	0.070	0.14	0.051	0.21	0.11
NORTH CAROLINA CAPE HATTERAS	69	0.081	0.0000	0.069	0.053	0.049
OKLAHOMA CHEROKEE CO	69	0.0000	0.040	0.063	0.086	0.047
OREGON CURRY CO	69	0.0000	0.0000	0.036	0.0000	0.0090
PENNSYLVANIA CLARION CO	69	0.24	0.23	0.096	0.23	0.20
RHODE ISLAND WASHINGTON CO	69	0.13	0.29	0.071	0.25	0.17
SOUTH CAROLINA RICHLAND CO	69	0.19	0.15	0.092	0.15	0.13
SOUTH DAKOTA BLACK HILLS FR	69	0.0000	0.0000	0.0000	0.0000	0.0000
TEXAS MATAGORA CO	69	0.055	0.0000	0.040	0.066	0.040
VERMONT ORANGE CO	69	0.089	0.0000	0.054	0.16	0.075
VIRGINIA SHENANDOAH PK	69	0.055	0.0000	0.056	0.066	0.044
WISCONSIN DOOR CO	69	0.051	0.061	0.052	0.075	0.059
WYOMING YELLOWSTONE PK	69	0.0000	0.0000	0.0000	0.0000	0.0000

Table 70. SOILING INDICES, MONTHLY FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	COH (2 hour averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min.	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	100	0.0	1.2	2.8	3.7	4.8	7.5	8.9	10.5	13.4	16.4	4.11
FEBRUARY	70	0.7	1.8	2.6	3.4	4.2	5.7	6.3	9.2	9.9	11.4	3.59
MARCH	100	0.1	1.5	2.4	3.0	3.6	4.9	5.4	6.4	6.8	12.1	3.12
APRIL	100	0.5	1.2	1.8	2.4	3.0	4.9	6.5	7.4	7.5	14.1	2.78
MAY	100	0.0	0.5	0.8	1.1	1.4	2.2	3.1	4.7	4.8	6.1	1.30
JUNE	95	0.2	0.5	0.8	1.0	1.3	1.9	2.1	2.4	2.8	4.1	1.12
JULY	45	0.1	0.5	0.8	1.1	1.4	2.0	2.3	3.0	3.1	3.5	a
AUGUST	15	0.3	0.6	0.9	1.2	1.8	2.8	3.1	3.4	4.2	4.2	a
SEPTEMBER	35	0.2	0.6	0.9	1.1	1.5	2.7	3.2	3.6	4.1	4.3	a
OCTOBER	90	0.2	0.7	1.0	1.2	1.6	2.5	3.0	4.0	4.3	5.7	1.42
NOVEMBER	0											
DECEMBER	100	0.6	1.1	1.7	2.0	2.3	3.0	3.4	4.1	4.3	6.1	2.06
YEAR	70	0.0	0.7	1.2	1.8	2.7	4.4	5.5	7.1	8.7	16.4	2.29
CINCINNATI												
JANUARY	95	0.2	0.6	0.9	1.2	1.6	2.9	3.9	4.6	4.8	8.5	1.50
FEBRUARY	90	0.1	0.5	0.9	1.2	1.5	2.1	2.5	2.7	2.9	3.8	1.28
MARCH	100	0.0	0.3	0.5	0.8	1.1	2.1	2.7	3.1	3.8	4.2	1.01
APRIL	45	0.2	0.5	0.9	1.2	1.6	2.2	2.9	3.9	4.1	4.2	a
MAY	75	0.0	0.3	0.5	0.8	1.1	1.8	2.1	2.4	2.8	3.2	0.92
JUNE	85	0.0	0.2	0.3	0.5	0.8	1.4	1.6	2.0	2.3	2.6	0.65
JULY	40	0.0	0.2	0.4	0.6	0.8	1.6	1.8	2.0	2.3	2.8	a
AUGUST	100	0.0	0.3	0.5	0.7	1.1	1.8	2.2	2.7	2.8	3.6	0.89
SEPTEMBER	100	0.0	0.4	0.7	1.0	1.4	2.4	3.0	3.6	3.8	4.5	1.20
OCTOBER	50	0.1	0.6	1.0	1.4	2.2	3.5	4.2	5.2	6.2	6.7	a
NOVEMBER	100	0.1	0.5	0.9	1.3	1.8	2.7	3.4	4.3	4.5	5.5	1.46
DECEMBER	80	0.1	0.7	1.1	1.4	1.8	2.4	2.8	3.3	3.5	3.7	1.49
YEAR	80	0.0	0.3	0.7	1.0	1.4	2.3	2.8	3.6	4.1	8.5	1.18
PHILADELPHIA												
JANUARY	30	0.1	0.8	1.3	1.9	2.7	4.0	4.7	5.0	5.2	7.6	a
FEBRUARY	90	0.0	0.5	1.0	1.5	2.0	3.4	4.7	6.1	7.9	9.2	1.82
MARCH	100	0.0	0.5	0.9	1.2	1.7	2.9	3.5	4.5	5.5	11.2	1.47
APRIL	85	0.0	0.1	0.3	0.4	0.6	1.0	1.3	1.6	1.8	2.8	0.51
MAY	35	0.0	0.1	0.3	0.5	0.7	1.2	1.5	2.0	2.1	2.1	a
JUNE	85	0.0	0.3	0.5	0.7	0.9	1.3	1.6	1.8	1.9	2.1	0.78
JULY	100	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.0	0.73
AUGUST	100	0.0	0.2	0.4	0.5	0.7	1.0	1.3	2.0	2.3	3.0	0.59
SEPTEMBER	55	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	0.29
OCTOBER	0											
NOVEMBER	0											
DECEMBER	0											
YEAR	60	0.0	0.2	0.4	0.7	1.0	2.0	2.8	3.9	4.9	11.2	0.96
ST. LOUIS												
JANUARY	100	0.1	0.7	1.1	1.4	1.9	3.1	4.0	5.7	6.3	12.6	1.74
FEBRUARY	90	0.3	0.7	1.1	1.5	1.9	2.8	3.1	3.7	4.8	10.2	1.65
MARCH	100	0.0	0.6	0.9	1.2	1.6	2.4	2.7	3.3	3.9	6.0	1.39
APRIL	35	0.1	0.5	0.7	0.9	1.1	1.7	1.8	3.4	5.5	7.5	a
MAY	75	0.0	0.5	0.7	1.0	1.2	1.7	2.1	2.4	2.9	3.2	1.05
JUNE	100	0.1	0.5	0.7	0.9	1.2	1.6	2.0	2.4	2.7	3.2	1.02
JULY	100	0.0	0.2	0.4	0.5	0.6	0.8	1.1	1.3	2.4	3.9	0.56
AUGUST	100	0.0	0.2	0.4	0.6	0.8	1.1	1.4	1.7	1.9	2.2	0.62
SEPTEMBER	100	0.1	0.4	0.7	0.8	1.1	1.5	1.8	2.2	2.4	5.9	0.91
OCTOBER	100	0.1	0.4	0.6	1.0	1.4	2.3	3.0	3.5	3.7	13.1	1.19
NOVEMBER	100	0.2	0.7	1.0	1.3	1.7	2.9	3.7	4.6	5.5	6.7	1.59
DECEMBER	100	0.0	0.6	1.0	1.2	1.5	2.2	2.6	3.3	3.9	12.2	1.33
YEAR	90	0.0	0.4	0.7	1.0	1.3	2.2	2.7	3.6	4.4	13.1	1.18
WASHINGTON												
JANUARY	100	0.0	0.4	0.9	1.3	1.8	3.1	3.8	5.2	5.6	11.1	1.57
FEBRUARY	90	0.0	0.4	1.0	1.4	2.0	2.9	4.0	5.0	6.5	8.0	1.66
MARCH	100	0.0	0.4	0.7	1.0	1.4	2.2	2.7	3.7	4.7	7.3	1.18
APRIL	100	0.0	0.3	0.6	0.8	1.0	1.5	1.8	2.2	2.7	7.3	0.88
MAY	100	0.0	0.1	0.4	0.5	0.7	1.2	1.7	2.1	2.4	2.6	0.62
JUNE	95	0.0	0.1	0.3	0.4	0.5	0.8	0.9	1.1	1.2	1.8	0.42
JULY	80	0.0	0.1	0.3	0.4	0.5	0.8	1.0	1.1	1.3	1.5	0.41
AUGUST	100	0.0	0.1	0.3	0.4	0.5	0.8	1.0	1.1	1.3	1.8	0.44
SEPTEMBER	95	0.0	0.2	0.3	0.5	0.7	1.1	1.4	1.7	2.1	3.3	0.58
OCTOBER	100	0.1	0.3	0.6	0.8	1.1	2.0	2.6	3.4	3.8	4.2	0.98
NOVEMBER	100	0.0	0.3	0.6	0.8	1.2	2.1	2.9	3.5	3.7	6.3	1.05
DECEMBER	100	0.0	0.4	0.7	1.0	1.4	2.1	2.6	3.0	3.1	3.2	1.17
YEAR	95	0.0	0.2	0.4	0.7	1.1	1.9	2.5	3.3	4.0	11.1	0.92

[a] Average not calculated because of insufficient or poorly distributed data.

Table 71. SOILING INDICES, DAILY AVERAGES (COH).

CHICAGO

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	1.84		4.33	2.67	2.23	0.98		1.72		1.61		
2	1.82		4.37	1.90	1.77	1.91		1.62		1.03		1.65
3	3.51		3.35	1.91	2.15			0.79		1.25		2.25
4	3.40		2.69	3.71	2.36	0.77		2.00		0.69		2.15
5	9.01		2.00	3.04	2.10	0.67				1.55		2.08
6	4.24		2.73	2.86	1.25	0.69				1.85		1.75
7	3.55		4.49	3.03	1.26	1.23	1.36			1.41		1.49
8	4.28		4.05	3.59	0.48	0.74	1.76			0.96		1.69
9	2.94	3.05	4.83	2.80	1.15	0.95	1.27			0.83		1.68
10	3.58	3.16	4.02	1.86	0.76	0.83	2.28			1.23		1.93
11	3.36	3.53	3.61	1.86	0.75	0.89	1.29			1.56		1.62
12	2.92	5.75	3.86	1.65	1.13	0.77	1.50			2.31		2.75
13	5.35	3.10	1.89	2.33	1.31	1.42	1.90			1.96		2.07
14	4.44	3.49	2.07	1.67	1.24	0.92	0.94			1.05		2.35
15	1.56	4.25	2.79	2.34	1.55	1.60	0.92			0.73		2.15
16	2.51	4.25	2.51	3.96	1.76	1.40	0.65			0.59		2.06
17	5.45	3.44	3.32	4.36	1.94	1.35				1.79		2.63
18	6.45	2.15	2.28	3.93	1.80	1.47				1.63		2.35
19	6.82	2.92	2.55	2.53	0.93	0.99				1.98		1.86
20	4.06	4.38	2.75	2.91	1.30	1.14				1.97		1.67
21	1.19	5.65	4.12	1.84	1.30	1.46			1.44	1.18		2.27
22	2.78	5.59	4.12	1.92	0.86	1.47			1.07	0.87		2.51
23	3.37	1.92	2.92	3.94	1.26	1.40			1.13	1.21		2.63
24	8.06	2.54	3.27	3.51	1.40	1.68			1.41	1.75		2.31
25	2.61	4.47	4.23	4.55	1.44	1.08			0.87	2.13		1.42
26	4.30	2.61	2.93	3.19	2.12	0.94			1.79	2.53		2.13
27	3.90	2.66	2.13	2.02	1.09	1.11			1.82	1.45		2.02
28	4.35	4.37	4.46	3.61	0.83	1.23			1.42			1.63
29	4.56		4.28	2.71	0.72	1.17	0.74		1.19			1.91
30	5.24		3.00	2.24	0.63		0.70		1.46			2.24
31			2.71		1.08							1.76
MONTHLY MEAN	4.06	3.56	3.12	2.77	1.30	1.11	1.48			1.41		2.03

CINCINNATI

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV	DEC
1		1.58	1.05	0.73		0.72		1.27	2.56	1.15	1.08	1.14
2		1.15	1.48	1.61		1.26		0.61	1.82	1.79	1.17	0.96
3		1.17	1.47	1.22		1.02		0.32	1.03		1.09	1.29
4	3.78	1.04	0.72	1.25		0.63		1.10	0.42		2.02	1.48
5	3.23	1.83	0.72	1.35		0.36		1.45	0.41		2.09	1.89
6	1.38	1.79	0.50	1.36		0.52		1.34	0.95		2.13	1.57
7	1.18	1.94	0.61	1.79		0.61		0.90	1.33			
8	0.99	1.86	1.06	1.13		0.75		0.75	0.85			0.75
9	1.41	1.70	1.48	1.53		0.53		0.82	1.70		0.86	1.31
10	0.97	1.37	1.44	1.70	1.08	0.31		0.67	1.66		0.66	1.09
11	0.89	0.96	1.51	1.28	1.31	0.42		0.56	1.33		1.46	0.81
12	1.11	1.64	1.07	1.46	0.92	0.87		1.06	1.27		1.88	1.07
13	1.09		0.62		1.10	0.76		0.71	0.91		1.43	1.52
14	1.43	1.29	1.07		1.02	0.39		0.38	0.91		3.28	2.28
15	2.62	0.84	1.41		1.25	0.51		0.44	0.83		2.39	2.72
16	0.91	1.07	1.07		1.24	0.50		0.55	1.69		2.77	2.45
17	1.02	1.07	1.61		1.31	0.77		1.22	2.24		1.46	2.17
18	1.00	1.61	0.67		0.97	1.03		1.38	1.44		0.99	1.95
19	1.72	1.03	0.56		0.87	0.77		1.31	0.77	1.24	0.81	1.79
20	1.75	0.74	0.74		1.12		0.35	0.63	0.77	0.99	0.85	1.06
21	1.05	1.06	1.49		1.28	0.63	0.46	0.39	1.29	1.79	2.55	1.64
22	2.08	1.19	0.65		0.62	0.81	0.92	0.56	0.97	0.90	1.95	1.76
23	0.83	1.26	0.46		0.91	1.02	0.80	0.64	0.85	0.96	1.54	1.13
24	1.80	2.29	0.50		0.46	0.70	0.70	0.87	1.63	2.98	1.25	1.48
25	1.64	1.17	0.67		0.47	0.76	1.14	1.00	1.37	2.05	1.41	1.46
26	1.61	0.77	0.70		1.40	0.45	1.28	1.02	0.81	1.91	1.57	
27	1.64	1.21	0.59		1.39		1.12	1.34	1.36	3.36	0.54	
28	1.09	1.15	1.42		0.71		0.62	0.97	1.77	3.04	0.68	
29	1.64		2.16		0.42		0.48	1.53	1.43	1.47	0.78	
30	1.17		1.10		0.58		0.43	1.60	1.01	1.60	1.30	
31	2.14		1.50		0.86		0.87	1.76		1.87		
MONTHLY MEAN	1.48	1.27	1.10		0.92	0.64		0.90	1.20		1.44	1.47

NOT REPRODUCIBLE

Table 71 (continued). SOILING INDICES, DAILY AVERAGES (COH).

NOT REPRODUCIBLE

PHILADELPHIA

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1		2.36	1.46	1.06			1.01	0.68	0.70			
2		2.09	1.45	0.66			0.75	0.73	0.46			
3		1.09	4.50	0.64	1.30		0.75	0.56	0.48			
4	2.85	0.37	3.49	0.87	0.25		0.70	1.37	0.38			
5	0.60	0.57	1.71	0.55	0.03		1.14	1.04	0.33			
6	2.75	0.40	0.99	0.72	0.29		0.85	1.13	0.33			
7	1.67	2.78	1.26	0.97	0.21	0.75	0.93	0.49	0.33			
8		3.55	0.46	0.58		0.97	0.68	0.65	0.35			
9		4.86	1.69	0.32	0.39	0.72	0.68	0.54	0.38			
10		1.51	2.12	0.37	0.65	0.53	0.60	0.53	0.35			
11		3.65	4.22	0.53	.88	0.31	0.79	0.56	0.23			
12		3.15	1.07	1.11	0.79	0.35	1.03	0.57	0.39			
13		1.77	3.80	0.26	0.60	0.81	0.88	0.37	0.22			
14		1.29	1.96	0.41	0.58	0.93	0.85	0.51	0.23			
15		1.37	1.50	0.33	0.77	0.99	0.77	0.85	0.14			
16		1.93	1.06	0.69		1.02	0.60	0.65	0.24			
17		1.17	4.50	0.35		0.93	0.54	0.39	0.18			
18		2.50	1.66	0.86		1.05	0.93	0.85	0.18			
19		1.48	1.19	0.43		0.73	0.80	0.73				
20	1.18	0.62	0.76	0.59		0.95	0.51	0.43				
21	1.65	1.10	1.37	0.42		0.82	0.73	0.36				
22	2.20	0.98	2.43	0.36		0.75	0.91	0.55				
23	0.83	1.53	1.96	0.43		0.93	0.58	0.56				
24		2.33	1.47	0.31		0.92	0.54	0.45				
25		1.61	1.16	0.53		0.71	0.75	0.53				
26		1.15	1.08	0.56		0.49	1.02	0.62				
27		1.36	0.90	0.49		1.22	0.86	0.61				
28		2.24	0.89	0.30		1.11	0.98	0.49				
29			0.97	0.40		0.90	0.90	0.88				
30			1.14			0.98	0.54	0.64				
31			0.48				0.69	0.65				
MONTHLY MEAN		1.79	1.65	0.51		0.79	0.73	0.59	0.27			

ST. LOUIS

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	0.97	1.80	1.31	1.16		1.69	1.18	0.59	1.13	0.82	0.85	0.95
2	0.46	2.08	1.65	1.03		1.57	0.71	0.42	0.80	0.63	1.37	0.93
3	1.90	1.64	1.46	0.90		1.29	0.72	0.32	1.05	0.97	1.56	1.55
4	3.17	1.79	0.98	0.98		1.01	0.47	0.37	0.38	0.58	1.63	1.25
5	4.87	1.90	1.00	0.80		0.68	0.50	0.41	0.50	0.78	1.19	1.36
6	1.33	1.48	0.83	1.01		0.76	0.47	0.58	0.63	2.16	1.14	1.12
7	1.21	2.52	1.22	1.16		1.36	0.46	0.23	0.85	1.44	1.45	1.16
8	1.47	1.83	1.75	1.23		1.05	0.61	0.41	1.06	1.89	1.16	0.81
9	0.79	1.41	1.71	0.90	1.20	0.67	0.61	0.84	1.18	1.04	1.14	1.23
10	1.57	1.47	1.80	2.16	1.57	0.98	0.58	0.75	0.99	0.93	1.33	0.96
11	2.59	1.97	1.87		1.77	1.17	0.78	0.76	0.81	1.27	1.89	1.00
12	1.40	1.95	1.10		1.09	0.86	0.50	1.13	1.02	1.15	1.25	
13	1.76	0.86	1.13		1.23	0.82	0.52	0.65	1.22	0.88	2.84	
14	2.92	1.75	1.45		1.08	0.83	0.59	0.52	0.89	0.70	4.06	
15	2.52	3.26	1.47			1.07	0.60	0.64	0.57	0.42	2.95	
16	0.86	1.29	2.63		1.57	0.62	0.52	0.70	1.00	0.40	2.33	
17	1.13	1.56	1.81		1.32	1.15	0.38	1.01	1.11	1.86	2.57	
18	1.40	1.52	1.06		0.90	0.97	0.51	0.81	0.81	1.00	1.36	
19	2.15	1.01	0.82		1.20	1.31	0.96	0.95	0.88	1.17	2.07	1.18
20	2.20	1.65	1.48		1.56	1.33	0.50	0.60	1.13	1.53	1.83	1.76
21	1.98	1.16	1.49		1.39	1.26	0.67	0.40	1.06	1.17	2.27	2.15
22	1.52	1.94	1.15		0.87	1.49	0.82	0.31	1.04	0.61	1.50	1.23
23	1.37	1.90	0.46		0.89	1.29	0.73	0.38	0.92	1.90	1.44	1.36
24	1.28	2.03	0.93		0.66	1.13	0.24	0.51	1.27	2.28	1.02	1.58
25	1.96	1.64			1.53	0.78	0.76	0.74	0.79	1.97	1.35	1.85
26	2.36	1.70			1.13	0.70	0.43	0.76	1.10	2.66	0.96	1.78
27	1.90	1.89			1.01	1.30	0.66	0.53	1.17	1.73	0.62	1.78
28	1.61	1.45			0.85	0.88	0.52	0.57	1.55	1.51	1.02	1.07
29	1.25				0.57	0.92	0.54	1.11	0.86	0.81	1.21	1.52
30	1.16		1.25		0.44	1.16	0.48	1.25	0.93	0.64	1.59	1.73
31	1.76		1.62		0.96		0.46	1.22		1.08		1.02
MONTHLY MEAN	1.73	1.65	1.48		1.35	1.01	0.55	0.62	0.91	1.18	1.58	1.30

Table 71 (continued). SOILING INDICES, DAILY AVERAGES (COH).

WASHINGTON, D.C.

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	0.17	1.22	1.13	1.12	0.73	0.36	0.70	0.60	0.93	0.61	0.85	1.38
2	0.30	0.52	2.43	0.74	0.56	0.40	0.52	0.43	0.44	0.66	0.48	1.12
3	1.11	1.22	2.76	1.12	1.02	0.43	0.44	0.34	0.50	1.36	0.48	0.92
4	1.71	0.65	1.15	1.29	0.97	0.45	0.44	0.68	0.49	0.67	0.80	0.88
5	1.70	0.77	1.03	0.90	1.27	0.38	0.56	0.51	0.22	0.61	0.72	1.59
6	1.39	1.09	0.40	0.96	0.71	0.35	0.85	0.65	0.42	0.65	0.89	2.72
7	1.30	0.99	1.20	1.24	0.42	0.55	0.34	0.40	0.36	1.09	1.28	1.61
8	1.74	0.97	2.48	0.08	0.67	0.59	0.58	0.47	0.54	0.88	0.96	0.86
9	1.44	2.34	1.40	0.76	0.63	0.44	0.43	0.46	0.44	0.77	0.77	0.80
10	1.30	3.60	1.45	0.71	0.90	0.41	0.30	0.50	0.48	0.56	0.96	0.91
11	1.01	3.57	1.82	1.07	1.18	0.25	0.37	0.32	0.38	1.44	0.65	0.67
12	1.80	2.95	4.47	1.21	0.67	0.40	0.40	0.32	0.40		0.93	0.75
13	2.11	1.05	1.21	0.80	0.69	0.36	0.24	0.38	0.16		0.76	1.22
14	2.76	1.17	0.86	1.26	0.86	0.59		0.37	0.41			1.15
15	2.05	1.96	1.09	1.89	0.79	0.52		0.56	0.42		0.88	1.55
16	1.85	1.79	1.08	1.03	0.69	0.67		0.48	0.94		1.50	2.20
17	1.11	1.59	1.20	0.71	0.86	0.57		0.29	1.06		1.16	1.92
18	1.45	2.41	0.82	1.03	0.50	0.62		0.56	0.84		1.29	1.61
19	1.04	2.14	0.35	0.93	0.56	0.49		0.55	0.61	1.19	0.99	0.91
20	1.47	0.99	0.57	0.77	0.86	0.37	0.37	0.53	0.25	0.97	0.90	1.09
21	1.45	1.70	0.47	0.70	0.82	0.66	0.36	0.27	0.56	1.40	1.52	1.00
22	2.08	1.42	1.16	0.90	0.55	0.54	0.36	0.48	0.78	0.77	2.01	1.79
23	[illegible]	2.41	1.08	0.70	1.17	0.62	0.34	0.62	0.67	0.95	3.17	1.08
24	1.12	2.86	0.85	0.50	0.51	0.44	0.27	0.47	0.65	1.00	2.16	1.67
25	1.71	1.99	0.86	0.48	0.57	0.37	0.31	0.61	0.49	1.12	1.72	0.71
26	0.90	1.40	1.18	0.76	0.37	0.40	0.43	0.51	0.65	1.69	1.06	0.71
27	1.78	1.48	0.65	0.63	0.32	0.46	0.72	0.53	0.87	2.12	1.71	1.33
28	1.11	1.47	0.41	0.58	0.31	0.62	0.46	0.60	1.11	2.48	0.88	1.76
29	1.27		1.21	0.91	0.26	0.48	0.48	0.87	0.95	1.22	0.76	1.06
30	1.54		1.42	0.93	0.29	0.80	0.47	0.54	0.76	0.60	0.75	1.91
31	0.98		1.45		0.35		0.32	0.71		0.88		1.34
MONTHLY MEAN	1.55	1.63	1.17	0.87	0.61	0.42	0.40	0.66	0.55	0.98	1.06	1.17

Table 72. CARBON MONOXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	27	0	5	10	13	17	25	30	35	38	47	14.2
FEBRUARY	0											a
MARCH	19	0	2	4	7	9	13	15	17	20	27	a
APRIL	36	0	5	10	13	17	25	29	35	39	66	14.6
MAY	40	0	8	12	15	19	25	29	33	36	60	15.9
JUNE	45	0	7	10	12	15	21	25	29	33	47	13.4
JULY	78	0	4	6	8	11	16	19	22	24	38	9.1
AUGUST	95	0	4	6	8	11	16	19	22	25	37	9.2
SEPTEMBER	98	1	6	10	12	15	20	23	26	29	37	13.0
OCTOBER	98	0	5	9	12	15	21	24	28	32	45	12.8
NOVEMBER	1	10	12	12	13	14	15	15	15	16	33	a
DECEMBER	0											a
YEAR	57	0	5	9	11	15	21	25	30	33	66	12.5
CINCINNATI												
JANUARY	42	0	1	2	3	4	6	6	7	8	14	a
FEBRUARY	11	0	3	4	4	5	5	7	10	12	20	a
MARCH	45	0	2	3	3	4	8	9	10	11	19	3.9
APRIL	43	0	1	2	3	4	6	7	9	10	25	3.4
MAY	96	0	2	4	5	6	8	9	11	12	24	5.0
JUNE	33	1	4	5	6	7	9	11	12	13	21	6.5
JULY	31	1	4	5	6	7	9	10	11	12	19	6.2
AUGUST	92	0	3	4	5	6	9	10	11	12	19	5.6
SEPTEMBER	66	0	2	4	5	6	9	11	13	14	29	5.4
OCTOBER	98	0	2	3	4	5	8	10	13	15	28	4.8
NOVEMBER	38	0	1	3	3	5	7	9	11	14	32	4.0
DECEMBER	50	0	2	3	4	5	6	7	9	10	20	a
YEAR	74	0	2	3	5	6	8	9	11	13	32	4.9
DENVER												
JANUARY	38	0	2	5	7	10	16	20	29	35	63	8.6
FEBRUARY	37	0	2	5	7	9	14	19	22	25	47	7.7
MARCH	94	0	1	4	6	8	12	14	17	19	34	6.1
APRIL	48	0	3	5	7	9	12	14	17	19	27	7.2
MAY	40	0	3	5	7	9	12	14	16	18	27	6.9
JUNE	36	0	2	4	6	8	12	14	17	19	33	6.6
JULY	59	0	3	6	8	10	14	15	18	19	28	9.1
AUGUST	67	0	1	4	6	8	11	13	15	17	27	6.2
SEPTEMBER	95	0	3	5	7	10	15	17	21	23	35	9.2
OCTOBER	51	0	2	4	6	9	13	16	19	22	38	6.9
NOVEMBER	76	0	4	7	9	13	22	29	38	44	63	11.6
DECEMBER	96	0	3	6	9	12	17	21	27	33	55	9.7
YEAR	81	0	2	5	7	9	14	17	22	27	63	7.8
PHILADELPHIA												
JANUARY	98	0	4	5	6	6	8	8	9	10	41	5.8
FEBRUARY	90	0	4	5	6	7	10	12	15	17	22	6.8
MARCH	96	0	4	5	6	8	10	11	12	13	19	6.4
APRIL	93	0	5	6	6	7	10	11	12	12	16	6.7
MAY	90	0	4	5	6	7	9	10	12	13	18	6.2
JUNE	93	0	2	4	5	6	7	8	9	10	17	4.7
JULY	97	0	2	4	5	7	9	10	11	12	17	5.5
AUGUST	90	1	5	6	8	9	12	14	16	18	26	8.0
SEPTEMBER	98	0	4	6	8	10	12	14	15	17	31	7.7
OCTOBER	95	1	5	7	9	11	15	19	26	32	47	10.0
NOVEMBER	86	0	3	7	8	10	13	14	15	17	29	8.2
DECEMBER	90	0	2	4	6	6	8	10	11	13	36	5.2
YEAR	94	0	3	5	6	8	11	12	15	17	47	6.7
ST. LOUIS												
JANUARY	97	0	3	6	8	9	12	14	17	20	63	7.7
FEBRUARY	93	0	2	4	6	8	12	14	18	21	37	6.5
MARCH	91	0	2	5	7	9	14	16	19	21	33	7.5
APRIL	86	0	1	3	4	5	8	10	12	15	29	4.5
MAY	36	0	2	3	3	4	5	8	10	11	23	3.3
JUNE	94	1	2	3	4	5	8	10	12	13	23	4.7
JULY	70	1	2	4	5	6	9	11	14	17	34	5.4
AUGUST	81	0	2	3	4	4	8	10	12	15	43	4.5
SEPTEMBER	81	1	3	4	5	6	8	11	13	16	44	5.4
OCTOBER	92	0	2	3	4	4	7	11	14	19	37	4.7
NOVEMBER	85	1	3	5	6	8	11	13	17	22	68	6.7
DECEMBER	80	1	3	5	6	8	11	14	17	21	66	6.9
YEAR	[illegible]	0	2	4	5	7	10	13	16	19	68	5.7
WASHINGTON												
JANUARY	47	0	2	3	3	4	6	7	8	9	23	3.7
FEBRUARY	30	0	2	3	4	5	7	9	13	18	30	4.2
MARCH	[illegible]	0	1	2	3	4	5	6	9	15	29	3.2
APRIL	33	0	1	1	2	3	4	5	7	11	26	2.2
MAY	40	0	1	2	2	3	4	5	7	8	12	2.3
JUNE	30	0	1	2	2	3	5	6	7	8	21	2.5
JULY	34	0	1	1	2	3	4	5	6	7	16	2.2
AUGUST	44	0	1	2	2	3	4	5	6	7	12	2.5
SEPTEMBER	47	0	2	3	3	4	6	[illegible]	16	17	26	4.0
OCTOBER	44	0	1	2	4	5	10	14	19	22	47	4.8
NOVEMBER	60	0	1	3	4	6	8	10	12	16	28	4.5
DECEMBER	71	0	2	3	4	5	7	9	12	14	22	4.1
YEAR	47	0	1	2	3	4	6	7	10	14	47	3.2

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[a] Average not calculated because of insufficient or poorly distributed data

NOT REPRODUCIBLE

Table 73. NITRIC OXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	65	0.01	0.05	0.08	0.11	0.16	0.22	0.27	0.34	0.41	0.66	0.128
FEBRUARY	41	0.02	0.05	0.09	0.13	0.17	0.24	0.28	0.37	0.42	0.56	a
MARCH	83	0.00	0.03	0.07	0.10	0.13	0.19	0.22	0.27	0.31	0.59	0.107
APRIL	73	0.00	0.02	0.07	0.10	0.13	0.19	0.23	0.33	0.36	0.57	0.107
MAY	77	0.00	0.01	0.04	0.07	0.10	0.15	0.19	0.22	0.24	0.43	0.076
JUNE	75	0.00	0.01	0.03	0.06	0.09	0.14	0.17	0.20	0.23	0.28	0.069
JULY	90	0.00	0.00	0.02	0.04	0.07	0.12	0.15	0.18	0.20	0.26	0.054
AUGUST	80	0.00	0.01	0.04	0.06	0.09	0.14	0.16	0.21	0.25	0.39	0.071
SEPTEMBER	82	0.00	0.01	0.04	0.07	0.11	0.17	0.21	0.26	0.31	0.42	0.082
OCTOBER	65	0.00	0.03	0.06	0.10	0.15	0.25	0.30	0.41	0.49	0.74	0.123
NOVEMBER	86	0.00	0.04	0.09	0.13	0.17	0.25	0.30	0.38	0.45	0.59	0.142
DECEMBER	70	0.01	0.05	0.10	0.13	0.18	0.27	0.32	0.42	0.46	0.68	0.151
YEAR	76	0.00	0.02	0.05	0.09	0.13	0.20	0.24	0.31	0.37	0.74	0.101
CINCINNATI												
JANUARY	60	0.00	0.00	0.01	0.02	0.03	0.06	0.10	0.16	0.20	0.32	0.030
FEBRUARY	85	0.00	0.01	0.02	0.02	0.04	0.08	0.11	0.20	0.26	0.48	0.036
MARCH	66	0.00	0.00	0.01	0.02	0.03	0.08	0.14	0.23	0.33	0.52	0.034
APRIL	52	0.00	0.00	0.01	0.01	0.02	0.06	0.12	0.17	0.20	0.29	0.024
MAY	59	0.00	0.00	0.01	0.01	0.02	0.07	0.10	0.13	0.16	0.25	0.026
JUNE	73	0.00	0.00	0.01	0.01	0.04	0.11	0.14	0.17	0.19	0.27	0.037
JULY	82	0.00	0.00	0.01	0.01	0.02	0.06	0.10	0.13	0.16	0.26	0.021
AUGUST	28	0.00	0.01	0.02	0.05	0.09	0.17	0.22	0.26	0.28	0.33	a
SEPTEMBER	43	0.00	0.00	0.01	0.02	0.05	0.13	0.20	0.28	0.33	0.44	a
OCTOBER	87	0.00	0.01	0.01	0.03	0.06	0.20	0.30	0.43	0.56	1.19	0.072
NOVEMBER	76	0.00	0.01	0.02	0.03	0.05	0.14	0.24	0.43	0.49	0.86	0.060
DECEMBER	85	0.00	0.01	0.02	0.03	0.05	0.08	0.12	0.22	0.28	0.58	0.043
YEAR	66	0.00	0.00	0.01	0.02	0.04	0.10	0.16	0.25	0.33	1.18	0.041
DENVER												
JANUARY	93	0.00	0.01	0.03	0.06	0.10	0.18	0.24	0.31	0.38	0.59	0.083
FEBRUARY	93	0.00	0.01	0.02	0.04	0.06	0.11	0.16	0.22	0.27	0.37	0.054
MARCH	88	0.00	0.00	0.01	0.02	0.03	0.06	0.08	0.11	0.13	0.23	0.028
APRIL	86	0.00	0.00	0.01	0.01	0.02	0.05	0.06	0.08	0.09	0.13	0.020
MAY	92	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.06	0.07	0.25	0.012
JUNE	87	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.09	0.008
JULY	50	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.08	a
AUGUST	77	0.00	0.00	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.10	0.013
SEPTEMBER	81	0.00	0.01	0.01	0.02	0.03	0.06	0.08	0.12	0.15	0.31	0.026
OCTOBER	68	0.00	0.02	0.02	0.03	0.05	0.10	0.14	0.18	0.25	0.35	0.048
NOVEMBER	92	0.00	0.02	0.03	0.05	0.08	0.17	0.24	0.32	0.36	0.54	0.076
DECEMBER	80	0.00	0.01	0.03	0.05	0.08	0.14	0.17	0.22	0.26	0.68	0.066
YEAR	82	0.00	0.00	0.01	0.02	0.04	0.09	0.14	0.20	0.26	0.59	0.038
PHILADELPHIA												
JANUARY	90	0.00	0.01	0.03	0.05	0.07	0.12	0.15	0.19	0.22	0.31	0.057
FEBRUARY	89	0.00	0.02	0.04	0.06	0.08	0.19	0.27	0.46	0.70	0.92	0.089
MARCH	93	0.00	0.01	0.03	0.04	0.06	0.12	0.17	0.24	0.33	0.85	0.058
APRIL	91	0.00	0.01	0.03	0.04	0.06	0.10	0.12	0.14	0.16	0.28	0.049
MAY	92	0.00	0.01	0.01	0.02	0.04	0.08	0.12	0.17	0.25	0.42	0.036
JUNE	90	0.00	0.00	0.01	0.01	0.03	0.07	0.10	0.13	0.18	0.46	0.028
JULY	65	0.00	0.00	0.01	0.01	0.02	0.05	0.06	0.08	0.10	0.28	0.018
AUGUST	90	0.00	0.00	0.01	0.01	0.03	0.09	0.13	0.23	0.28	0.53	0.033
SEPTEMBER	91	0.00	0.01	0.02	0.03	0.05	0.10	0.14	0.20	0.24	0.58	0.048
OCTOBER	83	0.00	0.01	0.02	0.04	0.08	0.20	0.36	0.57	0.73	1.15	0.088
NOVEMBER	76	0.00	0.01	0.03	0.06	0.11	0.24	0.40	0.95	0.28	1.98	0.123
DECEMBER	88	0.00	0.01	0.04	0.06	0.11	0.18	0.23	0.29	0.33	0.61	0.085
YEAR	86	0.00	0.01	0.02	0.03	0.06	0.13	0.18	0.29	0.42	1.98	0.059
ST LOUIS												
JANUARY	91	0.00	0.00	0.01	0.03	0.04	0.09	0.11	0.15	0.17	0.28	0.037
FEBRUARY	90	0.00	0.00	0.01	0.03	0.05	0.08	0.10	0.14	0.16	0.31	0.039
MARCH	90	0.00	0.00	0.01	0.02	0.06	0.09	0.10	0.16	0.17	0.29	0.030
APRIL	97	0.00	0.00	0.00	0.01	0.02	0.05	0.07	0.11	0.14	0.28	0.027
MAY	89	0.00	0.00	0.00	0.01	0.01	0.04	0.07	0.09	0.11	0.22	0.014
JUNE	83	0.00	0.00	0.00	0.00	0.01	0.05	0.07	0.12	0.13	0.21	0.013
JULY	68	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.08	0.12	a
AUGUST	63	0.00	0.00	0.01	0.02	0.03	0.06	0.08	0.11	0.16	0.34	a
SEPTEMBER	78	0.00	0.00	0.01	0.01	0.03	0.08	0.12	0.18	0.21	0.26	0.031
OCTOBER	87	0.00	0.00	0.02	0.03	0.06	0.12	0.17	0.25	0.34	0.61	0.031
NOVEMBER	87	0.00	0.00	0.02	0.03	0.06	0.12	0.17	0.25	0.34	0.61	0.041
DECEMBER	58	0.00	0.01	0.02	0.04	0.07	0.17	0.23	0.31	0.34	0.49	0.047
YEAR	76	0.00	0.00	0.01	0.02	0.04	0.08	0.12	0.17	0.22	0.61	0.032
WASHINGTON												
JANUARY	82	0.00	0.01	0.02	0.03	0.05	0.09	0.13	0.19	0.22	0.31	[illegible]
FEBRUARY	91	0.00	0.00	0.01	0.02	0.04	0.12	0.19	0.23	0.32	0.64	[illegible]
MARCH	92	0.00	0.00	0.01	0.02	[illegible]	0.06	0.09	0.16	0.24	[illegible]	[illegible]
APRIL	[illegible]	0.00	0.00	0.01	0.02	[illegible]	0.07	0.09	0.15	0.25	0.49	[illegible]
MAY	94	0.00	0.00	0.00	0.01	0.08	0.08	0.12	0.18	0.23	[illegible]	[illegible]
JUNE	92	0.00	0.00	0.00	0.01	0.01	0.03	0.09	0.10	0.16	0.41	[illegible]
JULY	95	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.07	0.17	[illegible]
AUGUST	87	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.07	0.09	0.16	[illegible]
SEPTEMBER	89	0.00	0.00	0.00	0.01	0.01	0.07	0.11	0.17	0.24	[illegible]	[illegible]
OCTOBER	58	0.02	0.01	0.02	0.03	0.07	0.20	0.29	0.41	0.49	[illegible]	[illegible]
NOVEMBER	91	0.00	0.01	0.02	0.04	0.06	0.17	0.26	0.53	0.58	1.19	[illegible]
DECEMBER	71	0.00	0.01	0.02	0.04	0.07	0.16	0.23	0.33	0.47	0.92	[illegible]
YEAR	89	0.00	0.00	0.01	0.02	0.03	0.08	0.14	0.29	0.39	1.19	[illegible]

[a] Average not calculated because of insufficient or poorly distributed data

Table 74. NITROGEN DIOXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min.	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	78	0.00	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.15	0.04
FEBRUARY	45	0.01	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.10	a
MARCH	80	0.00	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.07	0.08	0.04
APRIL	80	0.00	0.03	0.04	0.05	0.05	0.06	0.07	0.09	0.09	0.13	0.06
MAY	72	0.00	0.03	0.04	0.05	0.06	0.07	0.08	0.10	0.11	0.21	0.09
JUNE	79	0.00	0.04	0.05	0.07	0.08	0.11	0.12	0.13	0.14	0.18	0.03
JULY	80	0.00	0.04	0.05	0.07	0.09	0.12	0.14	0.17	0.18	0.21	0.04
AUGUST	74	0.00	0.05	0.06	0.07	0.09	0.13	0.15	0.17	0.19	0.26	0.08
SEPTEMBER	87	0.00	0.04	0.05	0.06	0.09	0.12	0.13	0.15	0.17	0.35	0.03
OCTOBER	65	0.00	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.15	0.09
NOVEMBER	87	0.00	0.04	0.04	0.05	0.06	0.07	0.07	0.09	0.10	0.13	0.09
DECEMBER	88	0.02	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.09	0.06
YEAR	77	0.00	0.03	0.04	0.05	0.06	0.09	0.11	0.13	0.15	0.35	0.04
CINCINNATI												
JANUARY	78	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	1.59	0.02
FEBRUARY	89	0.00	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.08	0.01
MARCH	72	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.07	0.08	0.30	0.07
APRIL	61	0.00	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.03
MAY	64	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.12	0.06
JUNE	77	0.00	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.12	0.20	0.08
JULY	71	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.09	0.16	0.07
AUGUST	84	0.00	0.02	0.03	0.04	0.05	0.07	0.09	0.12	0.13	0.18	0.04
SEPTEMBER	56	0.00	0.02	0.03	0.03	0.04	0.04	0.08	0.09	0.09	0.27	0.07
OCTOBER	84	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.30	0.06
NOVEMBER	77	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.08	0.09	0.20	0.03
DECEMBER	86	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.08	0.02
YEAR	75	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.10	1.59	0.03
DENVER												
JANUARY	93	0.00	0.02	0.03	0.04	0.06	0.06	0.07	0.09	0.11	0.23	0.03
FEBRUARY	93	0.00	0.03	0.03	0.04	0.05	0.06	0.07	0.10	0.12	0.16	0.04
MARCH	85	0.00	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.08	0.11	0.03
APRIL	88	0.00	0.02	0.02	0.03	0.03	0.05	0.05	0.06	0.07	0.11	0.03
MAY	93	0.00	0.01	0.02	0.03	0.03	0.05	0.05	0.07	0.08	0.15	0.02
JUNE	92	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.09	0.02
JULY	91	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.02
AUGUST	77	0.00	0.02	0.02	0.03	0.03	0.05	0.05	0.07	0.08	0.11	0.02
SEPTEMBER	89	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.18	0.03
OCTOBER	72	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.11	0.18	0.04
NOVEMBER	91	0.01	0.02	0.03	0.04	0.06	0.07	0.10	0.13	0.15	0.30	0.04
DECEMBER	95	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.10	0.12	0.35	0.04
YEAR	87	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.10	0.35	0.03
PHILADELPHIA												
JANUARY	69	0.00	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.13	0.02
FEBRUARY	89	0.01	0.02	0.02	0.03	0.03	0.04	0.06	0.08	0.09	0.14	0.02
MARCH	92	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.08	0.10	0.12	0.03
APRIL	87	0.00	0.02	0.03	0.03	0.03	0.05	0.06	0.06	0.07	0.08	0.03
MAY	91	0.00	0.02	0.03	0.04	0.05	0.06	0.08	0.11	0.12	0.18	0.04
JUNE	92	0.00	0.02	0.03	0.04	0.06	0.09	0.09	0.10	0.11	0.14	0.04
JULY	89	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.16	0.04
AUGUST	91	0.00	0.03	0.04	0.05	0.06	0.09	0.10	0.13	0.14	0.21	0.05
SEPTEMBER	89	0.00	0.02	0.03	0.03	0.06	0.07	0.07	0.09	0.12	0.29	0.03
OCTOBER	43	0.00	0.01	0.03	0.04	0.05	0.07	0.09	0.12	0.14	0.19	0.04
NOVEMBER	77	0.00	0.02	0.03	0.04	0.05	0.07	0.09	0.12	0.13	0.18	0.04
DECEMBER	84	0.01	0.03	0.03	0.04	0.06	0.05	0.06	0.07	0.08	0.18	0.03
YEAR	88	0.00	0.02	0.03	0.03	0.04	0.07	0.08	0.10	0.11	0.29	0.03
ST. LOUIS												
JANUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEBRUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	a
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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[a] Average not calculated because of insufficient or poorly distributed data

NOT REPRODUCIBLE

Table 75. SULFUR DIOXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min.	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	58	0.00	0.01	0.06	0.14	0.25	0.42	0.51	0.57	0.62	0.88	0.181
FEBRUARY	0											
MARCH	61	0.00	0.03	0.07	0.11	0.17	0.32	0.45	0.54	0.63	1.09	0.141
APRIL	60	0.00	0.00	0.03	0.06	0.10	0.16	0.23	0.30	0.34	0.89	0.078
MAY	97	0.00	0.00	0.01	0.02	0.04	0.09	0.12	0.16	0.22	0.39	0.037
JUNE	76	0.00	0.00	0.00	0.01	0.02	0.07	0.11	0.16	0.20	0.44	0.024
JULY	85	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.09	0.12	0.43	0.011
AUGUST	75	0.00	0.00	0.01	0.02	0.04	0.08	0.12	0.19	0.27	0.69	0.036
SEPTEMBER	85	0.00	0.00	0.00	0.01	0.02	0.10	0.17	0.24	0.33	0.68	0.033
OCTOBER	77	0.00	0.01	0.01	0.03	0.09	0.26	0.35	0.50	0.61	1.06	0.089
NOVEMBER	60	0.00	0.02	0.06	0.09	0.16	0.30	0.38	0.50	0.55	1.11	0.131
DECEMBER	72	0.00	0.05	0.13	0.20	0.29	0.49	0.58	0.71	0.78	1.14	0.236
YEAR	70	0.00	0.00	0.01	0.03	0.08	0.25	0.36	0.48	0.57	1.14	0.084
CINCINNATI												
JANUARY	92	0.00	0.01	0.02	0.04	0.06	0.10	0.11	0.13	0.14	0.35	0.044
FEBRUARY	90	0.00	0.00	0.00	0.02	0.04	0.07	0.09	0.13	0.18	1.86	0.032
MARCH	64	0.00	0.01	0.01	0.02	0.04	0.06	0.09	0.13	0.19	1.28	0.032
APRIL	61	0.00	0.00	0.01	0.02	0.02	0.04	0.06	0.10	0.13	0.32	0.021
MAY	62	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.24	0.019
JUNE	80	0.00	0.00	0.01	0.01	0.02	0.05	0.06	0.09	0.11	0.33	0.019
JULY	98	0.00	0.00	0.01	0.02	0.02	0.04	0.06	0.10	0.12	0.34	0.021
AUGUST	90	0.00	0.01	0.01	0.02	0.03	0.06	0.08	0.17	0.17	0.49	0.030
SEPTEMBER	70	0.00	0.01	0.02	0.03	0.04	0.04	0.08	0.11	0.13	0.53	0.036
OCTOBER	98	0.00	0.00	0.01	0.02	0.03	0.06	0.09	0.13	0.16	0.51	0.029
NOVEMBER	94	0.00	0.01	0.02	0.03	0.04	0.10	0.13	0.19	0.24	0.63	0.040
DECEMBER	97	0.00	0.01	0.02	0.03	0.04	0.10	0.14	0.24	0.31	0.55	0.042
YEAR	87	0.00	0.00	0.01	0.02	0.03	0.07	0.09	0.13	0.18	1.86	0.031
DENVER												
JANUARY	96	0.00	0.00	0.01	0.02	0.02	0.04	0.05	0.08	0.09	0.36	0.019
FEBRUARY	88	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.22	0.010
MARCH	96	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.33	0.009
APRIL	98	0.00	0.01	0.01	0.01	0.01	0.03	0.04	0.05	0.06	0.17	0.014
MAY	95	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.05	0.07	0.28	0.012
JUNE	97	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.22	0.012
JULY	96	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.07	0.09	0.23	0.016
AUGUST	82	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.07	0.46	0.010
SEPTEMBER	95	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.40	0.005
OCTOBER	76	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.14	0.005
NOVEMBER	84	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.05	0.21	0.009
DECEMBER	89	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.04	0.19	0.007
YEAR	92	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.07	0.46	0.011
PHILADELPHIA												
JANUARY	90	0.00	0.02	0.04	0.05	0.08	0.14	0.22	0.34	0.40	0.66	[illegible]
FEBRUARY	87	0.00	0.04	0.08	0.08	0.11	0.20	0.28	0.34	0.41	0.61	[illegible]
MARCH	76	0.00	0.02	0.02	0.04	0.08	0.20	0.28	0.37	0.43	0.68	[illegible]
APRIL	86	0.00	0.03	0.06	0.07	0.11	0.19	0.26	0.37	0.43	0.68	[illegible]
MAY	87	0.00	0.01	0.03	0.05	0.08	0.19	0.26	0.34	0.41	0.58	[illegible]
JUNE	70	0.00	0.01	0.04	0.08	0.15	0.29	0.36	0.46	0.51	0.70	[illegible]
JULY	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEPTEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ST. LOUIS												
JANUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEBRUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MARCH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APRIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[a]
SEPTEMBER	[illegible]											
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WASHINGTON												
JANUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEBRUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MARCH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APRIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[a]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[a]
SEPTEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[a]
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[a]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a] Average not calculated because of insufficient or poorly distributed data.

NOT REPRODUCIBLE

Table 76. TOTAL HYDROCARBONS, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	64	1.3	1.7	2.0	2.3	2.9	3.6	4.5	5.9	6.7	9.0	2.60
FEBRUARY	19	1.6	1.7	2.1	2.4	2.9	3.5	3.9	4.5	4.6	4.9	a
MARCH	49	1.1	1.5	1.9	2.2	2.6	3.3	3.7	4.1	4.6	11.0	2.36
APRIL	77	0.5	1.5	2.0	2.3	2.7	3.6	4.2	4.9	5.6	9.7	2.46
MAY	93	0.9	1.6	1.9	2.3	2.7	3.5	4.1	5.7	6.9	14.6	2.46
JUNE	59	1.1	1.7	2.0	2.4	3.0	4.2	4.9	5.6	6.4	13.8	2.73
JULY	10	0.0	1.9	2.5	2.8	3.3	4.5	4.9	5.6	6.9	16.9	a
AUGUST	47	1.2	1.9	2.3	2.8	3.3	4.5	5.3	6.5	7.3	12.3	3.01
SEPTEMBER	80	1.6	1.8	2.5	2.9	3.7	4.9	5.9	7.5	8.7	16.8	3.28
OCTOBER	38	1.7	2.0	2.3	2.7	3.2	4.2	5.0	6.2	6.9	11.6	2.96
NOVEMBER	94	1.8	2.2	2.5	2.8	3.2	4.0	4.4	5.0	5.7	13.2	2.99
DECEMBER	96	1.6	2.0	2.4	2.7	3.1	3.9	4.3	4.9	5.6	13.6	2.85
YEAR	73	0.0	1.7	2.2	2.6	3.0	4.0	4.7	5.8	6.6	16.9	2.76
CINCINNATI												
JANUARY	59	0.4	1.7	1.9	2.0	2.1	3.2	4.8	6.5	7.7	10.5	2.32
FEBRUARY												
MARCH	93	1.2	1.8	2.0	2.2	2.4	3.1	4.0	6.1	7.8	12.8	2.43
APRIL	89	1.2	1.8	2.2	2.4	2.7	3.6	5.0	6.5	7.2	11.9	2.68
MAY	97	1.9	2.1	2.3	2.4	2.7	3.9	4.9	5.9	6.6	8.4	2.78
JUNE	97	1.6	2.1	2.3	2.6	3.2	4.5	5.0	5.6	6.0	7.6	2.97
JULY	80	1.4	1.7	1.9	2.1	2.4	3.9	4.8	5.3	6.0	7.1	2.41
AUGUST	88	1.6	1.9	2.2	2.5	3.3	4.7	5.2	6.0	6.5	8.8	2.96
SEPTEMBER	0											
OCTOBER	0											
NOVEMBER	0											
DECEMBER	0											
YEAR	51	0.4	1.8	2.1	2.3	2.7	4.1	4.9	6.0	6.6	12.8	2.67
DENVER												
JANUARY	96	1.2	1.6	2.1	2.6	3.6	5.6	6.5	8.4	10.5	19.1	3.16
FEBRUARY	97	1.1	1.5	1.9	2.3	2.8	4.3	5.5	6.8	7.9	10.9	2.66
MARCH	90	1.1	1.5	1.7	2.0	2.6	3.6	4.0	4.8	5.3	10.0	2.25
APRIL	96	1.0	1.3	1.5	1.8	2.0	2.6	3.0	3.8	4.2	7.0	1.90
MAY	94	1.0	1.4	1.6	1.8	2.1	2.7	3.1	3.7	4.2	8.8	1.97
JUNE	97	0.3	1.4	1.7	1.9	2.3	3.0	3.5	4.2	4.6	8.0	2.10
JULY	98	0.9	1.3	1.5	1.7	2.0	2.7	3.1	3.8	4.2	7.3	1.90
AUGUST	81	1.2	1.5	1.7	2.0	2.2	3.0	3.6	4.3	4.8	7.3	2.13
SEPTEMBER	85	1.2	1.6	1.9	2.2	2.7	3.8	4.6	5.7	6.9	12.2	2.50
OCTOBER	68	1.1	1.7	2.0	2.4	2.9	4.4	5.6	7.0	8.8	16.3	2.70
NOVEMBER	26	1.6	1.8	2.6	2.9	3.5	5.6	7.8	10.6	12.2	16.0	a
DECEMBER	70	1.3	1.7	2.0	2.4	3.1	4.6	5.2	6.6	7.5	16.9	2.81
YEAR	86	0.5	1.5	1.7	2.0	2.5	3.7	4.6	5.9	7.1	19.1	2.30
PHILADELPHIA												
JANUARY	91	0.0	1.6	1.7	2.0	2.3	2.9	3.2	3.8	4.4	8.2	2.11
FEBRUARY	56	0.0	1.8	2.2	2.6	2.7	3.7	5.4	6.6	8.6	11.4	2.71
MARCH	85	0.0	1.3	1.7	2.0	2.3	3.0	3.6	4.2	4.5	8.8	2.12
APRIL	79	1.6	1.8	2.2	2.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	a
SEPTEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ST. LOUIS												
JANUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEBRUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MARCH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APRIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEPTEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WASHINGTON												
JANUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEBRUARY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MARCH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APRIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUGUST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEPTEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCTOBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOVEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DECEMBER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
YEAR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a] Average not calculated because of insufficient or poorly distributed data.

Table 77. TOTAL OXIDANT, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										
			Frequency Distribution, percent								Max	Arith Mean
		Min.	10	30	50	70	90	95	98	99		
CHICAGO												
JANUARY	47	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.07	a
FEBRUARY	37	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.06	0.10	a
MARCH	68	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.11	0.017
APRIL	42	0.00	0.00	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.10	a
MAY	60	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.12	0.031
JUNE	70	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.17	0.030
JULY	82	0.00	0.00	0.01	0.02	0.03	0.06	0.07	0.10	0.12	0.23	0.027
AUGUST	67	0.00	0.01	0.01	0.02	0.03	0.05	0.06	0.10	0.12	0.18	0.026
SEPTEMBER	67	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.14	0.023
OCTOBER	42	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.12	a
NOVEMBER	69	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.08	0.010
DECEMBER	41	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.09	a
YEAR	59	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.23	0.020
CINCINNATI												
JANUARY	47	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.07	0.09	0.12	a
FEBRUARY	56	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.07	0.019
MARCH	49	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.06	a
APRIL	33	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	a
MAY	46	0.00	0.01	0.02	0.02	0.03	0.05	0.05	0.06	0.06	0.08	a
JUNE	49	0.00	0.01	0.02	0.03	0.04	0.07	0.08	0.09	0.10	0.13	a
JULY	51	0.00	0.02	0.02	0.03	0.05	0.07	0.08	0.08	0.09	0.11	0.037
AUGUST	29	0.00	0.00	0.01	0.01	0.02	0.04	0.05	0.06	0.06	0.08	a
SEPTEMBER	69	0.00	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.08	0.10	a
OCTOBER	75	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.08	0.022
NOVEMBER	73	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.09	0.017
DECEMBER	70	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.05	0.016
YEAR	51	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.13	0.021
DENVER												
JANUARY	86	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.15	0.012
FEBRUARY	89	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.10	0.018
MARCH	81	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.06	0.07	0.14	0.026
APRIL	79	0.00	0.01	0.02	0.03	0.04	0.06	0.06	0.07	0.09	0.18	0.032
MAY	92	0.00	0.01	0.02	0.03	0.05	0.07	0.08	0.10	0.11	0.22	0.039
JUNE	76	0.00	0.02	0.03	0.03	0.05	0.07	0.08	0.10	0.12	0.19	0.039
JULY	44	0.00	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.15	0.22	a
AUGUST	76	0.00	0.01	0.03	0.04	0.06	0.08	0.10	0.12	0.14	0.20	0.065
SEPTEMBER	77	0.00	0.01	0.02	0.03	0.04	0.07	0.09	0.12	0.15	0.30	0.036
OCTOBER	60	0.00	0.01	0.01	0.02	0.04	0.06	0.08	0.12	0.16	0.23	0.030
NOVEMBER	66	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.22	0.022
DECEMBER	72	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.10	[illegible]
YEAR	75	0.00	0.01	0.01	0.02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]												

[a] [illegible]

Table 78. CARBON MONOXIDE, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	15.9			11.9	14.6	17.7	13.9	3.4	14.0	11.7		
2	13.2			12.9	15.5	17.8	14.8	7.2	8.6	7.2		
3	15.5			12.0	18.9	14.2	8.0	6.5	5.6	9.2		
4	17.2			13.6	18.9	10.9	7.2	9.6	5.3	9.2		
5	25.6			10.1	6.4	8.8	10.8	10.3	8.4	13.2		
6	11.2			9.5	13.9	10.7	10.0	11.7	14.6	9.8		
7	11.2			11.2	19.2	16.2	11.3	8.0	16.9	7.7		
8	6.3			11.3	19.6	18.7	10.7	7.5	16.1	7.9		
9				17.1	21.2	20.9	9.3	10.7	16.8	5.8		
10				11.0	22.8	18.7	8.5	15.9	20.5	10.2		
11				14.4	22.6	13.7	7.1	7.8	18.5	11.1		
12				14.3	24.0	15.9	6.5	10.3	17.1	18.1		
13				15.9	23.8	15.3	17.6	6.6	18.2	12.7		
14				14.6	17.8	7.7	11.6	8.1	13.7	9.2		
15				15.1	12.8	12.6	10.8	6.8	11.3	7.5		
16				14.2		12.6	9.5	9.3	12.0	9.1		
17						13.9	7.8	6.5	13.8	12.3		
18				14.7		14.7	8.4	7.0	10.4	13.9		
19				7.6		9.1		10.2	13.1	17.6		
20				12.9	10.3	9.8		10.3	10.3	19.9		
21					15.7	12.1		9.0	12.6	15.8		
22				21.0	13.8	15.3	7.8	8.1	12.3	11.5		
23				20.5	10.8	11.1	8.2	11.5	15.3	12.6		
24				12.6	13.8	13.0	6.8	16.6	14.6	16.5		
25				17.9	15.1	9.6	6.9	17.5	11.9	22.2		
26			9.2	24.1	12.8	12.1	9.9	14.7	14.2	21.5		
27			6.5	29.5	11.5	15.1	7.2	8.9	14.5	15.1		
28			7.7	19.5	13.8	15.8		8.5	9.8	17.8		
29			8.8	17.2	11.8	15.9	9.8	9.5	8.7	18.6		
30			9.5	14.9	11.5	15.2	9.5	8.2	12.1	12.0		
31			7.6		15.1		9.1	11.8	999.9	15.1		
MONTHLY MEAN				14.9	16.3	13.6	9.7	9.2	13.0	12.9		

CINCINNATI (CAMP Station)

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 78 (continued). CARBON MONOXIDE, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	4.1	10.6	6.1	8.4	5.0	7.4	13.5	6.7		11.3		11.3
2	3.0	10.8	6.7	6.6	7.4	7.9	13.6	6.0	8.8	7.7		14.0
3	11.6	9.9	3.3	4.3	10.0	7.4	14.0	7.0	5.5	9.0		14.1
4	13.2	13.7	2.1	7.1	11.3	5.6		6.7	4.6	7.0		11.5
5	12.5	9.9	3.5	8.3	10.7	2.7		5.6	3.2	10.8		18.1
6	14.7	9.6	4.4	9.9	11.8	6.1		2.8	7.1	9.4		10.4
7	10.2	11.0	6.9	7.9	9.5	8.0		3.7	8.1	7.4		7.8
8	11.3	6.8	6.6	8.9	8.6	6.6		8.3	9.1	5.6	7.8	6.7
9	7.5	6.6	7.0	7.7	7.8	7.3		9.6	6.8	4.2	7.8	4.4
10	11.2	8.2	6.2	4.9	7.9	8.1		8.7	9.1	6.7	11.7	5.0
11	8.9	7.1	6.2	5.8	7.5	5.1			9.1	8.6	8.1	3.3
12	7.0	4.3	5.9		5.8	2.8			7.2	8.6	10.4	8.3
13	7.3	3.1	5.7	7.9	9.8	5.6			8.5	5.9	7.1	11.6
14	6.2	5.6	7.0	6.6	7.4	6.0	1.6	4.3	6.7	2.7	10.1	11.2
15	2.9	4.8	7.1	6.9	7.2	1.6	3.4	5.8	6.3	4.8	10.4	8.8
16	2.0	7.1	5.2	9.1	8.4		4.0	7.0	9.2	3.6	10.6	11.9
17	6.6	4.8	2.7	4.6		1.4	4.9	5.9	8.6		10.0	10.3
18	11.6	10.9	6.7	8.7	3.4	2.9	9.0	9.1	6.3		10.4	9.9
19	6.2	7.6	9.2	8.2	5.2	3.2	9.6	7.2	10.6		13.2	10.8
20	6.0	6.1	4.2	6.6	7.1	6.6	8.8	4.7	14.4		10.3	14.6
21	9.2	7.7	5.2	10.2	6.7	8.5	8.9	1.5	14.0		14.6	17.4
22	8.8	6.3	5.5	7.4	3.0	8.2	8.3	6.2	13.4		12.6	8.2
23	7.1	8.7	6.0	4.2	4.5	7.0	6.6	8.5	13.0		12.3	12.3
24	7.9	9.7	6.5	5.4	6.7	8.6	6.7		10.1		8.5	11.7
25	8.9	10.5	11.4	4.2	5.6	5.8	9.6		6.4		12.6	9.3
26	12.7	6.5	15.9	5.5	7.3	9.5			7.3		7.3	6.8
27	10.2	5.7	6.8	6.0	7.1	8.3			5.5		5.4	7.3
28	9.3	4.9	5.5	8.3	6.9	11.6	7.3		9.6		14.4	7.0
29	9.7		6.0	6.1	5.5	12.6	6.7		10.0		16.0	8.3
30	12.6		8.2	6.9	4.8	15.1	6.0		6.1		15.4	15.2
31	9.9		8.7		7.9							8.1
MONTHLY MEAN	9.6	7.8	6.1	7.2	7.8	6.7	8.1	6.1	8.2	8.8	11.6	9.7

PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 78 (continued). CARBON MONOXIDE, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN.	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	1.9	10.6	6.7		3.1	6.1	7.6	7.5	7.3	1.5		9.4
2	1.3	10.4	6.6		5.3	6.1	4.6	5.1	6.9	1.4		8.6
3	5.6	9.1	8.8		4.6	5.6	3.8	4.9	3.8	3.0		9.9
4	8.3	10.9	5.9		4.5	4.5	4.3	4.8	2.9	2.1	7.2	7.3
5	7.7	10.8	4.7	1.5	4.8	3.6	6.5	5.7	3.5	2.8	4.2	10.6
6	5.3	8.6	3.5	5.6	2.6	4.5	5.9	5.8	5.6	6.2	5.1	8.1
7	6.3	12.1	7.8	5.5	2.9	5.6	5.3	3.6	6.6	5.7	5.8	7.8
8	6.3	7.9	8.0	2.2	1.9	4.8	6.8	5.6	5.8	6.3	4.6	3.8
9	6.6	6.6	8.8	1.5	3.1	3.5	5.1	4.7	6.9	3.8	5.6	4.4
10	8.9	6.6	10.5	2.1	3.5	4.4	4.7	4.5	6.0	5.5	4.8	3.3
11	11.2	4.4	10.8	2.6	4.4	4.2	7.0	4.3	5.6	6.8	4.5	3.5
12	10.5	4.5	7.6	4.0	3.8	4.2	7.4	5.2	5.8	6.3	3.6	6.1
13	8.0	2.5	7.2	4.5	4.3	4.3		3.0	6.1		4.9	7.8
14	10.7	5.6	7.6	6.6	4.0	4.2	7.5	1.7	4.7	4.2	12.4	8.6
15	5.9	4.5	7.7	7.1	3.3	5.0		2.7	4.0	2.0	7.3	9.5
16	5.3	5.5	9.3	7.0	5.0	6.1		2.2	6.3	2.4	6.5	7.4
17	6.9	7.2	6.4	4.2	4.6	5.6		4.7	6.3	5.5	6.4	7.8
18	8.8	7.2	6.0	7.3	3.4	6.6		4.5	4.7	3.8	5.8	6.1
19	8.3	4.5	5.0	5.7	3.5	5.7			5.8	3.9	6.4	6.3
20	7.8	7.8	8.7	5.0	4.5	6.7			6.1	6.6	5.8	6.2
21	8.5	6.9	12.3	4.7	2.9	9.5	4.4		6.7	5.6	8.5	6.9
22	6.6	6.7	11.1	6.9	2.7	6.6	5.1	2.7		4.7	7.1	5.6
23	8.2	6.4	5.2	5.9	4.3	6.0	3.9	2.3		6.4	8.3	6.8
24	10.3	4.9	5.8	5.6	3.5	5.0	2.2	2.9	6.3	7.9	5.7	5.8
25	9.9		11.0	7.9	5.2	6.5	6.5	4.1		6.1	7.7	5.3
26	9.2	7.1	4.0	5.3	4.3	3.9	5.1	5.6	7.1	7.6	6.8	5.3
27	7.2	7.1	4.2	5.5	4.7	5.5	5.3	5.3	3.5	7.3	5.2	6.6
28	10.6	5.6	8.0	6.8	3.2	6.2	4.9	4.2	6.9	7.6	9.1	3.9
29	9.9		9.5	4.7	3.0	4.7	5.9	3.6	4.9	2.8	11.0	
30	9.7			5.9	3.0	5.8	5.9	3.7	4.2	3.0	11.3	
31	12.0				6.3		5.6	7.1		9.8		
MONTHLY MEAN	7.6	6.6	7.6	4.6	3.8	4.8	5.6	4.5	5.6	4.8	6.8	6.8

WASHINGTON (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV	DEC
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
30	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
31	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 79. NITRIC OXIDE, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.132	0.179	0.111	0.103	0.074	0.090	0.062	0.042	0.096	0.105	0.205	0.079
2	0.062	0.123	0.163	0.104	0.062	0.117	0.056	0.067	0.071	0.057	0.173	0.103
3	0.117	0.193	0.177	0.104	0.089	0.063	0.055	0.062		0.026	0.125	0.157
4	0.127	0.111	0.067	0.134	0.093	0.033	0.034	0.086		0.034	0.201	0.098
5	0.299	0.130	0.113	0.080	0.030	0.020	0.054	0.100	0.033	0.109	0.179	
6	0.144	0.115	0.080	0.062		0.044	0.059	0.098	0.050		0.125	
7	0.149		0.155		0.098	0.096	0.087	0.052	0.065		0.114	0.195
8	0.120		0.116	0.111	0.059	0.106	0.082	0.068	0.061		0.161	0.105
9			0.110	0.117	0.086	0.121	0.062	0.067	0.076		0.182	
10	0.094		0.112		0.099	0.093	0.038	0.086	0.108		0.120	0.216
11	0.134		0.103		0.065	0.033	0.048	0.074	0.070	0.109	0.237	0.148
12	0.099		0.120	0.113	0.086	0.058	0.063	0.103	0.060	0.205	0.187	0.256
13	0.106		0.094	0.100	0.098	0.093	0.112	0.046	0.061	0.141	0.174	0.221
14	0.177		0.119	0.103	0.102	0.057	0.074	0.074	0.053	0.086	0.162	0.210
15	0.115		0.115				0.076		0.050	0.058		
16	0.106		0.117	0.128	0.111		0.043		0.144	0.066	0.138	0.121
17	0.122		0.063	0.089	0.109	0.099	0.039		0.090	0.095	0.102	0.154
18			0.045	0.092	0.099	0.076	0.016		0.067	0.108	0.146	0.113
19			0.093	0.064	0.036	0.065	0.056	0.079	0.066	0.152	0.262	0.103
20	0.210		0.132		0.092	0.059	0.063	0.083		0.156	0.115	0.127
21	0.085			0.122	0.076	0.050	0.063	0.049	0.086		0.164	0.166
22	0.133	0.211	0.155	0.089		0.067	0.071	0.051	0.098		0.082	0.198
23	0.078	0.112	0.095	0.233	0.016	0.043	0.011	0.074	0.123		0.084	0.256
24		0.097	0.099	0.139	0.001	0.072	0.018	0.083	0.113		0.061	
25		0.193	0.093	0.117	0.001		0.052	0.084	0.087	0.217	0.079	
26		0.142	0.121	0.096	0.090		0.052	0.068	0.161	0.344	0.142	
27		0.097		0.117	0.097		0.053	0.060	0.112	0.118	0.080	
28		0.194	0.137	0.077	0.067	0.052	0.043	0.056	0.083	0.143	0.092	0.061
29	0.099		0.133		0.050	0.076	0.056	0.069	0.064	0.158	0.115	0.070
30	0.073		0.101	0.093	0.025	0.077	0.031	0.059	0.125	0.142	0.131	0.147
31	0.123		0.089				0.061	0.055		0.116		0.107
MONTHLY MEAN	0.126		0.107	0.107	0.076	0.070	0.055	0.070	0.084	0.125	0.143	0.148

CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1		0.022	0.061		0.012		0.023			0.045	0.025	0.034
2		0.023	0.042	0.026	0.024		0.069			0.052	0.018	0.019
3	0.055	0.021	0.031	0.040	0.037	0.052	0.029			0.019	0.012	0.028
4	0.112	0.016	0.015	0.012	0.017	0.015	0.009			0.007	0.055	0.023
5	0.065	0.027	0.042	0.020	0.023	0.014	0.007			0.034	0.058	0.033
6	0.018	0.013	0.004	0.011		0.019	0.015			0.067	0.067	0.035
7	0.019	0.034		0.021		0.022	0.017			0.146		0.039
8	0.001	0.034	0.027	0.038	0.006	0.030	0.040			0.095		0.038
9	0.015	0.024	0.036	0.012	0.018	0.010	0.018			0.028	0.048	0.064
10		0.046	0.045	0.034	0.026	0.011	0.010			0.010		0.033
11		0.067	0.029		0.018		0.017			0.031	0.104	0.018
12		0.137	0.031		0.017		0.012			0.048	0.100	0.021
13		0.061	0.016		0.034	0.025	0.024		...	0.020	0.056	0.036
14		0.088	0.049		0.024	0.011	0.039		011		0.315	0.052
15		0.038	0.138		0.048	0.031	0.011			0.013	0.171	0.065
16		0.037			0.024	0.016	0.009			0.021	0.104	0.077
17	0.035	0.020		0.055	0.036	0.032	0.038		0.126	0.033	0.040	0.044
18	0.017	0.049		0.080	0.030	0.077	0.029		0.046	0.028	0.022	0.029
19	0.044	0.049	0.008	0.004		0.061			0.011	0.030	0.013	
20		0.019	0.022	0.009		0.058	0.006		0.025	0.084	0.013	
21			0.045			0.055	0.011			0.073	0.104	0.031
22	0.047	0.029	0.045			0.058	0.032	0.034	0.024	0.020	0.029	0.062
23	0.011	0.017				0.075		0.020	0.033	0.112		0.018
24	0.045	0.061		0.024		0.063		0.049	0.084	0.365	0.035	0.025
25	0.024	0.026	0.027	0.034		0.052	0.024	0.069		0.062	0.025	0.026
26		0.022	0.017			0.033	0.042	0.068		0.095	0.063	0.080
27	0.084	0.018	0.021				0.015	0.075	0.044	0.271	0.015	0.173
28	0.011	0.017	0.037		0.028		0.022	0.071	0.055	0.120	0.017	0.019
29	0.015			0.009	0.015		0.004	0.097	0.031	0.055	0.017	0.018
30	0.011			0.016	0.018	0.058	0.004	0.135	0.025	0.065	0.044	0.070
31	0.055				0.036		0.029	0.079		0.053		0.037
MONTHLY MEAN	0.050	0.037	0.039	0.023	0.024	0.038	0.022			0.073	0.062	0.044

Table 79 (continued). NITRIC OXIDE, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.035	0.054	0.041	0.025	0.017	0.009	0.007	0.012		0.041	0.038	0.044
2	0.026	0.091	0.092	0.011	0.020	0.009		0.010	0.018	0.019	0.049	0.089
3	0.096	0.069	0.021	0.010	0.018	0.006		0.014	0.020	0.031	0.089	0.104
4	0.112	0.086	0.020	0.026	0.016	0.005	0.006	0.012	0.019	0.056	0.037	
5	0.083	0.066	0.028	0.019	0.010	0.001	0.006	0.014	0.011	0.057	0.124	0.074
6	0.099	0.069	0.038	0.031	0.013	0.002	0.009	0.011	0.026	0.053	0.046	0.033
7	0.091	0.081	0.052	0.027	0.011	0.010	0.006	0.007	0.024	0.045	0.066	0.040
8	0.046	0.063	0.047	0.036	0.013	0.020	0.012	0.017	0.033	0.032	0.051	0.035
9	0.044	0.025	0.040	0.026	0.027	0.020	0.008	0.018	0.016	0.032	0.055	0.040
10	0.125	0.047	0.040	0.009	0.022	0.016	0.005	0.015	0.010	0.055	0.101	0.080
11	0.073	0.050	0.036	0.018	0.017	0.005	0.007		0.005	0.063	0.069	0.090
12	0.057	0.049	0.027	0.019	0.020	0.003			0.029	0.044	0.070	0.083
13	0.071	0.031	0.024	0.027	0.017	0.014			0.074	0.031	0.033	0.066
14	0.055	0.041		0.019	0.009	0.013		0.011	0.026	0.041	0.128	0.056
15	0.031	0.117		0.026	0.019			0.012	0.037	0.034	0.108	0.082
16	0.041	0.058	0.012	0.022	0.008	0.021	0.000	0.014	0.053	0.030	0.123	0.102
17	0.097	0.043	0.008	0.014	0.010	0.014	0.001	0.019	0.069		0.058	0.063
18	0.125	0.067	0.022	0.027	0.011	0.004		0.014	0.027		0.085	0.051
19	0.076	0.058	0.049	0.027	0.012	0.001		0.018			0.132	0.054
20	0.071	0.021	0.017	0.027	0.021	0.006		0.012			0.091	0.084
21	0.157	0.060	0.019	0.060	0.005	0.007		0.008	0.041		0.089	0.087
22	0.118	0.033	0.023	0.028	0.003	0.006		0.011			0.092	
23	0.121	0.047	0.025	0.016	0.005	0.006		0.019	0.031		0.095	
24	0.096	0.058	0.044	0.015	0.014	0.012		0.026	0.020	0.037	0.037	
25	0.078	0.077	0.018	0.010	0.017	0.004		0.027	0.015	0.088	0.096	0.083
26	0.112	0.036	0.023	0.006	0.009	0.005		0.010	0.023	0.073	0.055	0.063
27	0.113	0.016	0.018	0.008	0.013	0.012	0.011	0.010	0.023	0.088	0.046	0.049
28	0.086	0.035	0.017	0.017	0.004	0.007	0.011	0.005	0.044	0.062	0.108	0.054
29	0.086		0.028		0.003	0.006	0.010	0.010	0.025	0.058	0.080	0.079
30	0.131		0.016		0.001	0.012	0.007		0.033	0.023	0.061	0.068
31	0.083		0.017		0.013		0.003			0.045		0.044
MONTHLY MEAN	0.083	0.055	0.028	0.020	0.013	0.009	0.007	0.014	0.026	0.047	0.077	0.066

PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.077	0.050	0.043	0.052	0.047	0.050	0.022	0.012	0.032	0.016	0.062	0.069
2	0.051	0.107	0.044	0.031	0.042	0.057	0.012	0.009	0.033	0.159	0.054	
3	0.085	0.077	0.254	0.023	0.089	0.022	0.036	0.037	0.020	0.187	0.036	0.028
4	0.085	0.082	0.131	0.066	0.063	0.016	0.008	0.076	0.006	0.045	0.032	0.079
5	0.184	0.037	0.112	0.023	0.115	0.028		0.028	0.014	0.047	0.039	0.129
6	0.079	0.035	0.023	0.036	0.026	0.029		0.073	0.035	0.037	0.025	0.140
7	0.046	0.148	0.043	0.077	0.012	0.025		0.013	0.046	0.051	0.058	0.068
8	0.025	0.212	0.048	0.028	0.014	0.014		0.015	0.042	0.059	0.021	0.107
9	0.027	0.386	0.080	0.026	0.030	0.024		0.030	0.059	0.037		0.126
10	0.088	0.047	0.095	0.040	0.035	0.037		0.014	0.042	0.057		0.062
11	0.068	0.129	0.121	0.071	0.034	0.007		0.020	0.014	0.076	0.068	0.030
12	0.052	0.217	0.039	0.067	0.010	0.012		0.015	0.052	0.037	0.096	0.074
13	0.067	0.065	0.041	0.037	0.015	0.042		0.017	0.048	0.118	0.060	0.110
14	0.074	0.062	0.063	0.042	0.026	0.026	0.019	0.056	0.059	0.007	0.111	0.068
15	0.095	0.103	0.069	0.029	0.030	0.048	0.017	0.040	0.026	0.011		0.069
16	0.015	0.096	0.043	0.067	0.031	0.374	0.007	0.042	0.085	0.023		0.173
17	0.041	0.042	0.059	0.034	0.031	0.029	0.012	0.034	0.082	0.046	0.088	0.191
18	0.053		0.073	0.088	0.024	0.048	0.019	0.077	0.113		0.107	0.126
19	0.050	0.055	0.016	0.059	0.035	0.015	0.020	0.022	0.055		0.037	0.049
20	0.051	0.016	0.028	0.054	0.049	0.029	0.016	0.013	0.039	0.022	0.051	0.150
21	0.089	0.038	0.064	0.050	0.057	0.030	0.022	0.021	0.070	0.079	0.208	0.086
22	0.115	0.061	0.060	0.074	0.016	0.023	0.022	0.015	0.041	0.091	0.402	0.122
23	0.020	0.055	0.042	0.058	0.039	0.021	0.013	0.023	0.033	0.148	0.334	0.084
24	0.029	0.098	0.051	0.078	0.022	0.012	0.003	0.045	0.028	0.113	0.405	0.016
25	0.058	0.042	0.029	0.093	0.058	0.006	0.014	0.043	0.036	0.138	0.482	0.011
26	0.042	0.028	0.030	0.067	0.038	0.010	0.039	0.031	0.060	0.133	0.107	0.028
27	0.021	0.037	0.015	0.053	0.025	0.034	0.013	0.035	0.114		0.108	0.089
28	0.075	0.108	0.026	0.036	0.025	0.028	0.025	0.032	0.066	0.347	0.029	0.135
29	0.039		0.034	0.069	0.022	0.016	0.033	0.136	0.043	0.201		0.039
30	0.021		0.039	0.064	0.022	0.032	0.022		0.029	0.051		0.040
31	0.024		0.029		0.043		0.015	0.033		0.111		0.088
MONTHLY MEAN	0.058	0.090	0.059	0.050	0.036	0.028	0.019	0.034	0.048	0.088	0.126	0.086

Table 79 (continued). NITRIC OXIDE, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.074	0.039	0.045	0.006	0.013	0.039	0.019		0.044	0.028	0.017	0.030
2	0.013	0.034	0.030	0.006	0.026	0.033	0.002		0.030	0.020	0.008	
3	0.068	0.034	0.040	0.004	0.029	0.017	0.003		0.010	0.033	0.045	0.056
4	0.071	0.030	0.017	0.004	0.014	0.008	0.001		0.001	0.011	0.042	0.020
5	0.056	0.057	0.005	0.012	0.014	0.005	0.002	0.017		0.021	0.040	0.112
6	0.036	0.035		0.017	0.015	0.009	0.005	0.025		0.122	0.032	0.067
7	0.073	0.081	0.019	0.015	0.015	0.035	0.012	0.000		0.071	0.050	0.068
8	0.072	0.044	0.038	0.025	0.009	0.012	0.014	0.012		0.075	0.057	0.042
9	0.074	0.036	0.067	0.002	0.010		0.001	0.019		0.016	0.065	0.036
10	0.032	0.060	0.041	0.033	0.022	0.011	0.009	0.028	0.030	0.033		0.017
11	0.056	0.066	0.065	0.031	0.042	0.006		0.022	0.004	0.067	0.068	0.028
12	0.034	0.036	0.030	0.023	0.014	0.002		0.051	0.023	0.047	0.049	0.038
13	0.035	0.002	0.024	0.027	0.014	0.009		0.018	0.041	0.028	0.077	0.088
14	0.104	0.062	0.056	0.033	0.005	0.012			0.031	0.028	0.250	0.061
15	0.040	0.072	0.045	0.043	0.002	0.023		0.030	0.020	0.003	0.106	0.067
16	0.012	0.021	0.053	0.025	0.013	0.001						
17	0.020	0.065	0.033	[illegible]	[illegible]	[illegible]		0.023	0.075	0.060	0.098	0.170
18	0.027	0.045	0.019	0.027	0.002			0.019	0.025	0.029	0.031	0.093
19	0.053	0.013	0.009	0.027	0.023	0.050		0.039	0.026	0.041	0.094	0.069
20	0.052	0.007	0.026	0.021	0.078	0.019			0.012	0.071	0.034	0.080
21	0.056	0.027	0.037	0.015	0.007	0.012			0.035	0.026	0.057	
22	0.021	0.022	0.026	0.023	0.003	0.016			0.044	0.010	0.027	
23	0.007	0.033	0.007	0.013	0.012	0.006			0.030	0.066	0.045	
24	0.045	0.040	0.012	0.018	0.008	0.007			0.093	0.113	0.017	
25	0.095	0.021	0.058	0.071	0.050	0.003			0.009	0.081	0.036	
26	0.061	0.014	0.006	0.021	0.027	0.000	0.015		0.038	0.118	0.035	
27	0.026	0.007	0.011	0.028	0.008	0.013	0.008		0.027	0.079	0.003	
28	0.023	0.026	0.054	0.009	0.008	0.005	0.001		0.069	0.088	0.007	0.020
29	0.001		0.035	0.024	0.000	0.001	0.009		0.024	0.023	0.017	0.030
30	0.010		0.016	0.012	0.001	0.005	0.003	0.033	0.050	0.015	0.094	
31	0.054		0.030		0.007		0.001	0.085		0.034		
MONTHLY MEAN	0.037	0.039	0.031	0.021	0.015	0.013	0.007		0.032	0.066	0.051	0.067

WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.033		0.016	0.038	0.039	0.023	0.010	0.009	0.017	0.031	0.040	0.066
2	0.045	0.010	0.102	0.010	0.027	0.025	0.011	0.008	0.015	0.060	0.025	0.024
3	0.063	0.019	0.067	0.036	0.044	0.018	0.005	0.003	0.009	0.155	0.020	
4	0.061	0.015	0.024	0.038	0.031	0.012	0.005	0.031	0.016	0.026	0.048	0.003
5	0.124	0.022	0.005	0.022	0.070	0.009	0.008		0.006	0.024	0.043	
6	0.053	0.034	0.003	0.031	0.011	0.011	0.027	0.001	0.015		0.028	0.107
7		0.046	0.019	0.037	0.001	0.021	0.010	0.005	0.008		0.095	0.082
8		0.122	0.019	0.012	0.006	0.032	0.005	0.001	0.010		0.036	0.028
9	0.025	0.092	0.028	0.008	0.019	0.022	0.003	0.022	0.041		0.028	0.030
10	0.048	0.088	0.035	0.022	0.021	0.011	0.002	0.008	0.016		0.028	0.026
11		0.159	0.029	0.019	0.046	0.003	0.010	0.014	0.021		0.044	0.023
12	0.043	0.080	0.009	0.029	0.014	0.003	0.008	0.016	0.011		0.053	0.048
13	0.067	0.009	0.005	0.038	0.019	0.008	0.006	0.011	0.009		0.041	
14	0.044	0.029	0.015	0.071	0.029	0.016	0.004	0.008	0.012		0.080	
15	0.084	0.028	0.017	0.083	0.041	0.045	0.020	0.023	0.004		0.074	
16	0.016	0.030	0.028	0.027	0.015	0.053	0.010	0.019	0.061		0.160	
17	0.035	0.022	0.034	0.026	0.011	0.012	0.005	0.012	0.099		0.066	0.160
18	0.027	0.070	0.026	0.015	0.006	0.008	0.008	0.020		0.064	0.081	0.076
19	0.030	0.036	0.016	0.011	0.018	0.005	0.009	0.010	0.006	0.053	0.019	0.058
20	0.033	0.003	0.019	0.011	0.019	0.011	0.009	0.006	0.002	0.030	0.049	0.069
21	0.086	0.013	0.031	0.022	0.022	0.029	0.008	0.001	0.011	0.085	0.117	0.070
22	0.073	0.011	0.056	0.044	0.018	0.018	0.004	0.007		0.026	0.204	0.163
23	0.006	0.016	0.019	0.031	0.090	0.007	0.003	0.012	0.011	0.069	0.414	0.052
24	0.023	0.028	0.045	0.019	0.010	0.005	0.003	0.012	0.036	0.054	0.327	0.029
25	0.030	0.026	0.022	0.018	0.013	0.004	0.011	0.020	0.042	0.076	0.199	0.030
26	0.042	0.010	0.041	0.050	0.016	0.001	0.009	0.012	0.036	0.128	0.087	0.025
27	0.031	0.011	0.008	0.014	0.024	0.005	0.007	0.013	0.058	0.164	0.105	0.112
28	0.026	0.033	0.013	0.014	0.021	0.007	0.010	0.011	0.071	0.233	0.019	0.275
29	0.018		0.035	0.050	0.007	0.009	0.012	0.031	0.031	0.088	0.026	0.062
30	0.002		0.052	0.063	0.007	0.009	0.024	0.008	0.042	0.044		0.075
31	0.000		0.026		0.023		0.011	0.015		0.092		0.151
MONTHLY MEAN	0.043	0.039	0.028	0.030	0.024	0.015	0.009	0.012	0.026	0.076	0.088	0.092

Table 80. NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.033	0.039	0.040		0.042	0.053	0.101	0.092	0.151	0.068	0.065	0.046
2	0.027	0.043	0.036	0.061	0.028	0.047	0.116	0.095	0.088	0.053	0.052	0.046
3	0.033	0.051	0.045	0.047	0.037	0.060	0.062	0.060	0.075	0.062	0.052	0.052
4	0.036	0.037	0.033	0.049	0.043	0.073	0.066	0.119	0.051	0.061	0.054	0.051
5	0.041	0.044	0.035	0.041	0.056	0.053	0.067	0.135	0.046	0.036	0.055	
6	0.029	0.046	0.032	0.034		0.055	0.074	0.144			0.058	
7	0.027	0.061	0.045		0.041	0.060	0.063	0.108	0.053		0.055	0.038
8	0.032		0.048	0.060	0.038	0.054	0.075	0.076	0.083		0.043	0.045
9	0.025		0.046	0.049	0.035	0.061	0.068	0.070	0.069		0.049	0.041
10	0.027		0.048	0.047	0.044	0.044	0.060	0.072	0.123		0.035	0.045
11	0.040		0.048	0.044	0.044	0.061	0.061	0.060	0.107	0.061	0.085	0.048
12	0.029		0.037	0.044	0.036	0.057	0.088	0.062	0.088	0.081	0.046	0.053
13	0.037		0.033	0.049	0.036	0.064	0.084	0.072	0.108	0.073	0.058	0.043
14	0.038		0.038	0.051	0.046	0.046	0.052		0.060	0.053	0.033	0.046
15	0.031		0.042	0.052	0.056		0.048		0.042	0.048	0.061	0.055
16	0.037		0.046	0.050	0.055	0.055			0.061	0.067	0.075	0.040
17	0.040		0.058	0.054	0.058	0.069			0.104			0.043
18	0.044		0.033	0.067	0.050	0.105	0.078		0.086	0.054	0.047	0.043
19	0.043		0.035	0.036	0.038	0.092	0.080	0.055	0.085	0.055	0.070	0.041
20	0.039		0.044	0.014	0.045	0.071	0.043	0.066	0.066	0.076	0.041	0.037
21	0.026		0.049	0.054	0.058	0.085	0.067	0.081	0.052		0.056	0.041
22	0.028	0.061	0.041	0.050	0.040	0.080	0.065	0.050	0.054		0.057	0.049
23	0.032	0.037	0.042	0.051	0.046	0.078	0.126	0.066	0.052		0.050	0.051
24		0.056	0.041		0.047	0.061	0.120	0.056	0.051		0.040	0.050
25		0.061	0.049		0.068		0.092	0.083	0.067	0.073	0.040	0.044
26		0.039	0.046	0.044	0.101		0.073	0.084	0.069	0.065	0.063	0.044
27		0.036	0.042	0.036			0.067	0.085	0.066	0.080	0.035	0.061
28		0.039	0.049	0.041		0.076		0.079	0.060	0.068	0.042	0.048
29	0.039		0.043	0.046		0.077	0.055	0.099	0.062	0.060	0.047	0.048
30	0.033		0.043	0.030		0.080	0.066	0.107	0.050	0.052	0.040	0.054
31	0.037		0.045				0.102	0.132		0.040		0.048
MONTHLY MEAN	0.036		0.044	0.046	0.051	0.071	0.075	0.083	0.074	0.059	0.050	0.047

CINCINNATI (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	0.010	0.034	0.027		0.032	0.041	0.043	0.034		0.028		0.028
2	0.010	0.028	0.039	0.028	0.036	0.044	0.058	0.038		0.008		0.028
3	0.014	0.026	0.036	0.035	0.045	0.059	0.042	0.021		0.042	0.023	0.035
4	0.017	0.026	0.027	0.027	0.038	0.047		0.047		0.025	0.045	0.035
5	0.019	0.030	0.031	0.041	0.038	0.037		0.067		0.028		0.028
6	0.019	0.029	0.024	0.061		0.040	0.030	0.069		0.047		0.026
7	0.014	0.038	0.035	0.039		0.042	0.036	0.040		0.050		0.023
8	0.007	0.042	0.037	0.043	0.033	0.037	0.040	0.030	0.022	0.048	0.031	0.025
9	0.017	0.041	0.048	0.036	0.032	0.036	0.041	0.043	0.048	0.034	0.032	0.019
10	0.017	0.037	0.060	0.043		0.031	0.031	0.034	0.041	0.023	0.019	0.019
11	0.020	0.033	0.046	0.049		0.037	0.035	0.038	0.041	0.020	0.027	0.022
12	0.021	0.040	0.044	0.037	0.035	0.049	0.030	0.044		0.039	0.039	0.024
13	0.028	0.035	0.029		0.035	0.047	0.042	0.034		0.051	0.040	0.024
14	0.026	0.028	0.025		0.032	0.039	0.045	0.021		0.032	0.074	0.026
15	0.032	0.029	0.030		0.044	0.042	0.037	0.027		0.021	0.057	0.027
16	0.023	0.028	0.021		0.047	0.040	0.034	0.026	0.026	0.018	0.050	0.034
17		.027		0.054	0.039	0.037	0.045	0.046	0.044	0.030	0.047	0.041
18	0.026	.036		0.050	0.037	0.046	0.042	0.040	0.033	0.034	0.032	0.028
19	0.042	0.026	[illegible]	0.036		0.054	0.013	0.044	0.023	0.031	0.078	
20	0.031	0.029	0.028	0.039		0.067		0.019	0.025	0.036	0.030	0.028
21		0.030	0.052	0.024	0.065	0.067		0.021	0.039	0.048	0.047	0.029
22	0.028	0.032	0.042		0.031	0.056	0.061	0.030	0.032	0.043	0.030	0.029
23	0.019	0.025				0.069		0.034	0.037	0.048	0.039	0.027
24	0.032	0.029		0.036	0.023	0.060		0.038	0.045	0.084	0.042	0.034
25	0.032	0.034	0.038		0.032	0.070	0.044	0.036		0.055	0.034	0.029
26	0.036	0.039	0.038		0.056	0.060	0.042	0.047		0.053	0.031	0.035
27	0.022	0.040	0.038	0.035	0.065		0.051	0.043	0.029	0.087	0.021	0.052
28	0.018	0.029	0.044	0.042	0.054		0.041	0.049	0.048	0.090	0.013	0.032
29	0.024			0.038	0.031		0.025	0.056	0.038	0.053	0.016	0.026
30				0.032	0.039	0.051	0.024	0.079	0.025	0.050	0.034	0.043
31					0.046		0.040	0.082		0.025		0.035
MONTHLY MEAN	0.021	0.032	0.037	0.038	0.040	0.049	0.038	0.042	0.036	0.041	0.035	0.029

Table 80 (continued). NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
18	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]		[illegible]		[illegible]		[illegible]			[illegible]		[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PHILADELPHIA (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
30	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
31	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]		[illegible]		[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table [illegible] (continued). NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WASHINGTON (CAMP Station)

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Table 81 SULFUR DIOXIDE, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MONTHLY MEAN	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CINCINNATI (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 81 (continued). SULFUR DIOXIDE, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PHILADELPHIA (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 81 (continued). SULFUR DIOXIDE, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]

WASHINGTON (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]		[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	

Table [illegible]. TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

CINCINNATI (CAMP Station)

Table 82 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

[illegible]

PHILADELPHIA (CAMP Station)

[illegible]

Table B2 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
MONTHLY MEAN	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WASHINGTON (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MONTHLY MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table 83. TOTAL OXIDANTS, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1 2 3 4 5	[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible]	0.021 0.024 0.019 0.019	0.018	0.027 0.036 0.029 0.031	0.036 0.030 0.036 0.019 0.013	0.045 0.019 0.024 0.034 0.030	0.047 0.022 0.015	0.014	0.032 0.032 0.009 0.012	
6 7 8 9 10	[illegible] [illegible] [illegible]	[illegible]	[illegible] [illegible] [illegible] [illegible] [illegible]	0.021 0.024	0.048 0.029 0.038	0.026 0.037 0.024 0.018 0.027	0.019 0.022 0.022 0.012 0.026	0.072 0.032 0.026	0.017 0.025 0.030 0.032 0.036		0.016 0.012 0.014 0.017 0.009	0.018 0.003
11 12 13 14 15	[illegible]		[illegible] [illegible] [illegible] [illegible]	[illegible]	0.025 0.048 0.026 0.032	0.033 0.030 0.024 0.020	0.016 0.022 0.008 0.016	0.031 0.049 0.049 0.020	0.037 0.035 0.035 0.018 0.017	0.030 0.022 0.013 0.011	0.012	0.002
16 17 18 19 20	[illegible]		[illegible] [illegible] [illegible]	[illegible]	0.045 0.035 0.024 0.036	0.062 0.033 0.024	0.031 0.050 0.037 0.018 0.031	0.010 0.010	0.027 0.024	0.019 0.030 0.032 0.021	0.013 0.014 0.003 0.000 0.002	0.011 0.018 0.014 0.008
21 22 23 24 25	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible]	[illegible] [illegible] [illegible]	0.037 0.045 0.039 0.031	0.024 0.045 0.036 0.032 0.033	0.004 0.006 0.012 0.010 0.012	0.018 0.021 0.016	0.027	0.008 0.019 0.018 0.015 0.019	0.020 0.001
26 27 28 29 30 31	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	0.043 0.026 0.025 0.026 0.042	0.027 0.027 0.029	0.027 0.014 0.021 0.026 0.033	0.029 0.045 0.026 0.036 0.035	0.020 0.024 0.012 0.006 0.005	0.031 0.016 0.018	0.024 0.013 0.009 0.005 0.004	0.019 0.004 0.017
MONTHLY MEAN	[illegible]		0.017		0.031	0.031	0.028	0.027	0.024		0.011	

CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1 2 3 4 5	0.044 0.038	0.029 0.028 0.027 0.014 0.011	0.009	0.019 0.010 0.010	0.044 0.032 0.031 0.034	0.039 0.037 0.035				0.017 0.023 0.026 0.030	0.012 0.014 0.018 0.012 0.013	0.011 0.020 0.010
6 7 8 9 10	0.024	0.014 0.024 0.020 0.031 0.029	0.026 0.012 0.018	0.024 0.012	0.044 0.021	0.019 0.029 0.026 0.032 0.025	0.037			0.029 0.026 0.024	0.015 0.014	0.017 0.015 0.018
11 12 13 14 15		0.019 0.020 0.020 0.018 0.017	0.019 0.009 0.008 0.010 0.019		0.023 0.010 0.021 0.034	0.039 0.026 0.018	0.030 0.036 0.040 0.034 0.036		0.028	0.018 0.023 0.021 0.029	0.016 0.014 0.018 0.029 0.028	0.019 0.020 0.016 0.018 0.023
16 17 18 19 20	0.013 0.012 0.012	0.016 0.019 0.017 0.019	0.019 0.018	0.047 0.041 0.040	0.022 0.026 0.018	0.023 0.051 0.044	0.046 0.056 0.047 0.033		0.034 0.029 0.012 0.011	0.018 0.016 0.012 0.023	0.029 0.027 0.015 0.015	0.026 0.024 0.027
21 22 23 24 25	0.019 0.030 0.016 0.016		0.010 0.016 0.009	0.023			0.031 0.040 0.040	0.011 0.016 0.012 0.012	0.016 0.018 0.023	0.019 0.026 0.019 0.032 0.025	0.021 0.019 0.021 0.022	0.019 0.019 0.016 0.009 0.009
26 27 28 29 30 31	0.032 0.016 0.013 0.013 0.011		0.011 0.012		0.024 0.022 0.029 0.023	0.043 0.049	0.050 0.043 0.025 0.032 0.035 0.020	0.011 0.025 0.024 0.026 0.011 0.014	0.010 0.020 0.022 0.011	0.025 0.031 0.030 0.016 0.021 0.020	0.016 0.017 0.012 0.016 0.016	0.007 0.007 0.017 0.009 0.010
MONTHLY MEAN		0.019	0.012		0.026	0.033	0.038			0.023	0.018	0.016

Table 83 (continued). TOTAL OXIDANTS, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.018	0.010		0.034	0.030			0.042		0.043	0.017	0.013
2		0.012	0.011	0.037	0.031			0.041	0.033	0.026	0.024	0.012
3	0.006	0.007	0.025	0.031	0.033	0.036		0.045	0.038	0.019	0.033	0.004
4	0.039	0.014	0.024	0.029	0.032	0.035	0.027	0.052	0.038	0.025	0.017	
5	0.012	0.014	0.024	0.032	0.044	0.044	0.045	0.051	0.039	0.063	0.022	0.033
6	0.015	0.022	0.023	0.034	0.036	0.034	0.038	0.048	0.049	0.036	0.017	0.023
7	0.014	0.018	0.020	0.031	0.040	0.033	0.060	0.049	0.044	0.029		0.020
8	0.012	0.016	0.023	0.033	0.030	0.027	0.055	0.028	0.040	0.030		0.022
9	0.017		0.026	0.038	0.024	0.031	0.059	0.036	0.046	0.032		0.021
10		0.024	0.023	0.040	0.032	0.038	0.052	0.043	0.037	0.025	0.018	0.015
11	0.030	0.009	0.024	0.030	0.034	0.045	0.044		0.047	0.027	0.012	0.019
12	0.018	0.024	0.027	0.035	0.036	0.048				0.033	0.023	
13	0.014	0.026	0.027	0.038	0.033	0.040			0.043		0.024	
14	0.014	0.014		0.045	0.033	0.039		0.043	0.026	0.015	0.040	0.015
15	0.021	0.011		0.039	0.033			0.053	0.021	0.047	0.028	0.017
16	0.020	0.009	0.027	0.032	0.034	0.030	0.066	0.053	0.022	0.021	0.021	0.014
17	0.008	0.015	0.031	0.021	0.036	0.032	0.061	0.043	0.031		0.013	0.016
18	0.021	0.026	0.022	0.018	0.040	0.049		0.056	0.039		0.027	0.019
19	0.008	0.028	0.017	0.025	0.043	0.047		0.024			0.025	0.017
20	0.007	0.030	0.020	0.045	0.045	0.036		0.044			0.011	0.014
21	0.007	0.023	0.021	0.028	0.052	0.057		0.038	0.039		0.025	0.010
22	0.015	0.025	0.023	0.027	0.048	0.060		0.035			0.022	
23	0.014	0.021	0.024	0.034	0.051			0.039	0.065			
24	0.005	0.014	0.025	0.026	0.049			0.042	0.030	0.027		0.015
25	0.008	0.012		0.033	0.046	0.050		0.049	0.034	0.022		0.003
26	0.011	0.020	0.039		0.051	0.040		0.048	0.031	0.019		0.005
27	0.004	0.037	0.032		0.048	0.035	0.061	0.051	0.033	0.031		0.010
28	0.011	0.026	0.026	0.027	0.047	0.044	0.060	0.046	0.030	0.019	0.019	0.007
29	0.006		0.027		0.049			0.047	0.028	0.025	0.025	0.009
30	0.011		0.045		0.039				0.028	0.033	0.029	0.012
31	0.011		0.034		0.028		0.066			0.014		0.017
MONTHLY MEAN	0.013	0.019	0.026	0.033	0.039	0.040		0.045	0.036	0.030	0.022	0.015

PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.016	0.016	0.015	0.019	0.023	0.022	0.070	0.056		0.020	0.036	0.008
2	0.014	0.018	0.017	0.018	0.025	0.037	0.089	0.050		0.084	0.020	
3	0.018	0.017	0.054	0.020	0.035	0.055	0.082	0.033	0.051	0.083	0.023	0.008
4	0.009	0.016	0.049	0.019	0.017	0.080		0.060	0.034	0.025	0.023	0.003
5	0.007	0.017	0.029	0.019	0.021	99.999		99.999	0.038	0.023	0.040	0.020
6	0.017	0.013	0.022	0.019	0.038	0.052		0.145	0.030	0.025	0.033	0.055
7	0.020	0.006	0.021	0.023	0.028			0.080	0.021	0.037	0.043	0.036
8	0.011	0.037	0.020	0.020	0.036			0.089	0.027	0.055	0.034	0.060
9	0.004	0.056	0.023	0.020	0.028	0.050		0.028	0.030	0.047		0.057
10	0.004		0.017	0.024	0.020	0.019		0.044	0.048	0.034		0.026
11	0.004	0.027	0.049	0.021	0.012	0.039		0.014		0.035	0.025	0.026
12	0.001	0.032	0.028	0.017		0.027		0.042	0.024	0.028	0.023	0.030
13	0.006	0.018	0.025	0.018		0.026		0.045	0.019	0.045	0.023	0.035
14	0.017	0.032	0.027	0.021	0.027	0.052	0.039	0.051	0.008	0.045	0.023	0.035
15	0.011	0.014	0.029	0.024	0.039	0.038	0.058	0.043	0.020	0.034		0.031
16	0.010	0.018	0.017	0.024		0.044	0.062	0.027	0.041			0.048
17	0.010	0.010	0.032	0.023		0.034	0.067	0.036	0.043		0.037	0.058
18	0.006		0.045	0.014		0.059	0.070	0.058			0.038	0.044
19	0.008	0.014	0.036	0.016		0.050	0.063	0.070	0.054		0.018	0.018
20	0.010	0.007	0.026	0.014		0.050	0.034	0.057	0.025	0.032	0.008	0.026
21	0.016	0.004	0.034	0.029		0.045	0.046	0.042	0.015	0.041	0.007	0.024
22	0.012	0.003	0.036	0.032		0.044	0.081	0.044	0.014	0.045	0.025	0.018
23	0.021	0.008	0.014	0.018		0.055	0.074	0.029	0.029	0.066	0.018	0.014
24	0.013	0.008	0.026			0.057	0.065	0.026	0.027	0.056	0.083	0.017
25	0.009	0.009	0.020			0.071	0.063	0.031	0.024	0.046	0.100	0.023
26	0.012	0.016	0.019	0.029		0.051	0.059	0.043	0.028	0.047	0.040	0.019
27	0.016	0.018	0.018	0.021	0.017	0.065	0.057	0.040	0.016		0.038	0.016
28	0.007	0.033	0.015	0.021	0.020	0.063	0.025	0.051	0.014	0.180	0.028	0.012
29	0.006		0.011	0.029	0.032	0.040	0.034		0.023	0.093		0.024
30	0.012		0.016	0.022	0.038	0.038	0.033		0.025	0.035		0.020
31	0.014		0.019		0.024		0.054			0.047		0.021
MONTHLY MEAN	0.011	0.017	0.026	0.021	0.027	0.046	0.059	0.050	0.027	0.050	0.033	0.028

Table 83 (continued). TOTAL OXIDANTS, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.010	0.006	0.019	0.030	0.046	0.088	0.068		0.038	0.029	0.020	0.033
2	0.011	0.008	0.032		0.060	0.065	0.063		0.040	0.032	0.023	
3	0.008	0.010	0.029	0.023	0.055	0.059	0.061		0.031	0.022	0.020	0.028
4	0.007	0.010	0.023	0.028	0.057	0.060	0.078		0.037	0.026		0.067
5	0.022	0.021	0.023	0.025	0.061	0.063	0.050			0.031	0.033	0.048
6	0.007	0.030		0.030	0.054	0.058	0.065	0.070		0.051	0.020	0.041
7	0.007	0.020	0.021	0.035	0.059	0.070	0.049	0.054			0.025	0.041
8		0.019	0.026	0.034	0.055	0.046	0.056	0.065		0.025	0.024	0.036
9	0.010	0.019	0.026	0.038	0.043		0.043	0.044			0.050	
10	0.014	0.020	0.033	0.041	0.047		0.045	0.020	0.033	0.016		0.031
11	0.070	0.024	0.049	0.031	0.044	0.043		0.036	0.044	0.028	0.054	0.031
12	0.017	0.029	0.038	0.027	0.040	0.047		0.044	0.035	0.030	0.022	
13	0.015	0.012	0.033	0.031	0.036	0.037		0.028	0.044	0.020	0.030	0.027
14	0.023	0.016	0.049	0.022	0.064	0.038			0.030	0.020	0.086	0.033
15	0.020	0.021	0.050	0.055	0.049	0.035		0.023	0.016	0.017	0.075	
16	0.008	0.015	0.052	0.064	0.064	0.034				0.021	0.068	
17	0.010	0.010	0.047	0.073	0.057	0.048			0.047	0.035	0.061	
18	0.010	0.019	0.043	0.069	0.059				0.030	0.020	0.040	
19	0.013	0.011	0.055	0.063	0.053	0.066		0.021		0.029	0.042	
20	0.014	0.010	0.060	0.040	0.061	0.060			0.028	0.038	0.053	
21	0.013	0.011		0.039	0.050	0.073			0.032	0.032	0.061	
22	0.012		0.068	0.052	0.056	0.059			0.031	0.029	0.059	
23	0.012	0.015	0.061	0.049	0.051	0.058			0.034	0.038	0.063	
24	0.006	0.019			0.046	0.051			0.042	0.046	0.051	
25	0.004	0.021	0.019	0.054	0.062	0.055	0.037		0.022	0.028	0.044	
26	0.011	0.020	0.032	0.044	0.068	0.063	0.059		0.017	0.045	0.040	
27	0.038	0.019	0.036	0.044	0.049	0.052	0.067		0.019	0.044	0.034	
28	0.001	0.018	0.016	0.036	0.062	0.065	0.066		0.035	0.043	0.038	0.017
29	0.007		0.039	0.046	0.045	0.060	0.035		0.027	0.022	0.038	
30	0.009		0.031	0.042	0.057	0.066	0.053	0.036	0.019	0.024	0.031	
31	0.005		0.032		0.061		0.066	0.044		0.024		
MONTHLY MEAN	0.011	0.017	0.038	0.040	0.056	0.056	0.054		0.032	0.030	0.040	

WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.019		0.021	0.012	0.018	0.022	0.068	0.049	0.067	0.013	0.029	0.024
2	0.011	0.016	0.025	0.019	0.015	0.025	0.044	0.036	0.053	0.023	0.021	0.026
3	0.010	0.012	0.032	0.012	0.020	0.038	0.053	0.040	0.062	0.063	0.022	
4		0.011	0.023	0.008	0.023	0.059		0.033	0.039	0.017	0.026	0.019
5	0.007	0.008	0.019	0.012	0.028	0.057	0.030		0.042	0.017	0.024	
6	0.016	0.007	0.014	0.012	0.034	0.037	0.028	0.099	0.032		0.023	0.029
7		0.006	0.008	0.015	0.035	0.032	0.029	0.057	0.023		0.036	0.036
8		0.024	0.009	0.019	0.034	0.030	0.039	0.041			0.028	0.019
9	0.006	0.026	0.009	0.019	0.015	0.022	0.039	0.014	0.036		0.028	0.029
10	0.007	0.034	0.016	0.022	0.016	0.024	0.036	0.033	0.049		0.023	0.017
11		0.059	0.020		0.026	0.041	0.023	0.017	0.049		0.024	0.011
12	0.003	0.043	0.025	0.019	0.030	0.043		0.028	0.041		0.016	
13	0.003	0.024	0.023	0.018	0.032	0.038	0.036	0.019	0.016		0.016	
14	0.004	0.019	0.019	0.024	0.025	0.032	0.034	0.031	0.016		0.018	
15	0.005	0.021	0.024	0.040	0.056	0.032	0.026	0.018	0.014		0.019	
16	0.010	0.022	0.022	0.039	0.090	0.028	0.054	0.049	0.036		0.032	
17	0.007	0.015	0.022	0.042	0.051	0.023	0.055	0.037	0.082		0.022	0.034
18	0.005	0.019	0.029	0.033	0.032	0.032	0.064	0.044		0.008	0.015	0.023
19	0.005	0.027	0.026	0.034	0.026	0.054	0.041	0.044	0.047	0.009	0.017	0.006
20	0.006	0.013	0.022	0.031	0.043	0.045	0.030	0.083	0.029	0.011	0.010	0.015
21	0.009	0.010	0.025	0.022	0.064	0.051	0.038	0.057	0.020	0.017	0.019	0.014
22	0.011	0.013	0.033	0.014	0.040	0.054	0.059	0.049		0.019	0.038	0.027
23	0.016	0.016	0.035	0.014	0.045	0.036	0.047	0.049	0.020	0.022	0.060	0.006
24	0.006	0.020	0.019	0.020	0.036	0.049	0.031	0.036	0.025	0.011	0.055	0.027
25	0.006	0.021	0.018	0.022	0.024		0.026	0.038	0.019	0.006	0.039	0.010
26	0.004	0.024	0.019		0.030		0.049	0.039	0.018	0.020	0.029	
27	0.006	0.017	0.018	0.017	0.015	0.064	0.055	0.045	0.022	0.036	0.039	
28	0.001	0.021	0.013	0.018	0.021		0.024	0.036	0.025	0.030	0.023	0.026
29	0.001		0.010	0.008	0.037		0.034	0.063	0.019	0.027		0.019
30	0.000		0.016	0.009	0.035		0.011	0.044	0.026	0.013	0.008	0.006
31	0.003		0.016		0.027		0.051	0.063		0.026		0.025
MONTHLY MEAN	0.007	0.020	0.020	0.021	0.032	0.039	0.040	0.042	0.034	0.019	0.027	0.014

Table 84. AMMONIA, *SUMMARY OF BI-WEEKLY SAMPLING*

STATION	NUMBER OF SAMPLES	MICROGRAMS PER CUBIC METER				STD GEO DEV
		MIN	MAX	ARITH MEAN	GEO MEAN	
EL DORADO ARKANSAS	1	95	95	95		
DENVER COLORADO	9	0	272	108		
HARTFORD CONN	8	0	337	162		
NEW HAVEN CONN	11	0	194	69		
WILMINGTON DELAWARE	9	0	267	57		
EAST CHICAGO INDIANA	15	0	313	94		
INDIANAPOLIS INDIANA	9	0	108	29		
MONROE INDIANA	11	0	270	111		
DES MOINES IOWA	8	0	368	97		
DUBUQUE IOWA	9	0	297	78		
COVINGTON KENTUCKY	6	0	272	89		
BALTIMORE MARYLAND	9	24	328	139		
DETROIT MICHIGAN	10	0	288	91		
MINNEAPOLIS MINNESOTA	16	0	217	93		
KANSAS CITY MISSOURI	6	0	66	29		
ST LOUIS MISSOURI	6	0	149	49		
MARLTON NEW JERSEY	9	0	248	56		
CAMDEN NEW JERSEY	10	18	558	172		
GLASSBORO NEW JERSEY	13	0	211	82		
NEWARK NEW JERSEY	10	0	245	75		
BUFFALO NEW YORK	9	19	152	81		
NEW YORK CITY NEW YORK	8	0	119	56		
CLEVELAND OHIO	17	0	251	85		
DAYTON OHIO	10	0	448	120		
YOUNGSTOWN OHIO	9	0	274	77		
OKLAHOMA CITY OKLAHOMA	11	0	189	54		
PORTLAND OREGON	8	0	685	125		
PITTSBURGH PENNSYLVANIA	11	0	182	77		
WARMINSTER PA	16	0	274	65		
WEST CHESTER PA	13	0	292	101		
BAYAMON PUERTO RICO	4	0	102	52		
GUAYANILLA PUERTO RICO	8	0	226	64		
PROVIDENCE RHODE ISLAND	7	0	36	6		
CHATTANOOGA TENNESSEE	8	0	267	102		
NASHVILLE TENNESSEE	5	0	75	42		
EL PASO TEXAS	7	0	274	148		
SALT LAKE CITY UTAH	7	0	269	92		
SEATTLE WASHINGTON	6	0	179	54		
CHARLESTON WEST VIRGINIA	6	26	270	128		
MILWAUKEE WISCONSIN	17	0	211	65		

NOTE:

To convert NH_4 concentrations from micrograms per cubic meter to parts per million, multiply by 1.44×10^{-3}.

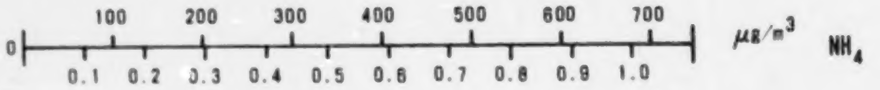

Table 85. NITROGEN DIOXIDE, SUMMARY OF BI-WEEKLY SAMPLING.

STATION	NUMBER OF SAMPLES	MICROGRAMS PER CUBIC METER				STD GEO DEV
		MIN	MAX	ARITH MEAN	GEO MEAN	
EL DORADO ARKANSAS	4	72	127	105		
DENVER COLORADO	25	5	267	68	51	2.19
HARTFORD CONN	24	18	507	161	110	2.61
NEW HAVEN CONN	24	20	448	139	99	2.42
WILMINGTON DELAWARE	24	32	384	144	109	2.20
WASHINGTON DC	22	150	511	271	256	1.42
CHICAGO ILLINOIS	19	123	619	333		
EAST CHICAGO INDIANA	25	21	287	163	145	1.74
EVANSVILLE INDIANA	23	47	310	185	169	1.59
INDIANAPOLIS INDIANA	25	11	405	103	77	2.21
MONROE INDIANA	9	35	92	68		
NEW ALBANY INDIANA	17	59	352	175		
DES MOINES IOWA	22	8	271	82	60	2.31
DUBUQUE IOWA	15	57	307	189		
COVINGTON KENTUCKY	7	78	213	149		
BALTIMORE MARYLAND	22	28	276	75	64	1.70
DETROIT MICHIGAN	25	7	304	78	64	1.93
MINNEAPOLIS MINNESOTA	30	20	346	112	83	2.20
KANSAS CITY MISSOURI	25	5	309	136	100	2.60
ST LOUIS MISSOURI	17	44	223	89		
MARLTON NEW JERSEY	15	48	329	186		
CAMDEN NEW JERSEY	18	104	466	262		
GLASSBORO NEW JERSEY	20	70	363	167	151	1.59
JERSEY CITY NEW JERSEY	16	102	543	315		
NEWARK NEW JERSEY	24	32	454	191	150	2.13
BUFFALO NEW YORK	19	94	297	169		
NEW YORK CITY NEW YORK	22	40	519	228	171	2.32
CINCINNATI OHIO	20	81	416	234	221	1.44
CLEVELAND OHIO	24	47	428	191	166	1.76
DAYTON OHIO	26	13	362	78	61	1.92
YOUNGSTOWN OHIO	26	33	337	105	82	1.99
OKLAHOMA CITY OKLAHOMA	16	102	293	201		
PORTLAND OREGON	22	24	141	62	57	1.54
PHILADELPHIA PA	17	121	480	288		
PITTSBURGH PENNSYLVANIA	26	6	386	95	74	2.10
WARMINSTER PA	20	17	242	130	113	1.86
WEST CHESTER PA	15	68	353	154		
BAYAMON PUERTO RICO	21	7	110	33	27	1.84
GUAYANILLA PUERTO RICO	23	8	106	23	19	1.76
PROVIDENCE RHODE ISLAND	22	13	256	99	76	2.14
CHATTANOOGA TENNESSEE	24	9	299	66	52	1.98
NASHVILLE TENNESSEE	18	32	179	65		
EL PASO TEXAS	17	8	239	73		
SALT LAKE CITY UTAH	21	17	382	109	76	2.38
SEATTLE WASHINGTON	23	4	256	93	66	2.66
CHARLESTON WEST VIRGINIA	21	27	165	68	63	1.49
MILWAUKEE WISCONSIN	26	44	253	142	127	1.66

Table 86. SULFUR DIOXIDE. SUMMARY OF BI-WEEKLY SAMPLING.

STATION	NUMBER OF SAMPLES	MICROGRAMS PER CUBIC METER				STD GEO DEV
		MIN	MAX	ARITH MEAN	GEO MEAN	
ELDORADO ARKANSAS	4	4	[illegible]	6		
DENVER COLORADO	22	5	48	18	15	1.93
HARTFORD CONN	25	17	155	62	49	1.99
NEW HAVEN CONN	24	2	318	101	69	2.92
WILMINGTON DELAWARE	24	18	492	111	80	2.25
WASHINGTON DC	21	27	309	90	68	2.36
CHICAGO ILLINOIS (CAMP)	19	49	469	221		
EAST CHICAGO INDIANA	26	9	448	107	75	2.51
EVANSVILLE INDIANA	22	18	184	88	49	2.14
INDIANAPOLIS INDIANA	22	4	137	54	40	2.53
MONROE INDIANA	8	3	18	10		
NEW ALBANY INDIANA	15	5	176	38		
DES MOINES IOWA	23	2	38	13	9	2.36
DUBUQUE IOWA	15	5	99	16		
COVINGTON KENTUCKY	25	6	72	25	20	1.95
BALTIMORE MARYLAND	21	21	286	107	88	2.00
DETROIT MICHIGAN	26	1	83	16	9	3.13
MINNEAPOLIS MINNESOTA	25	1	275	44	17	4.13
KANSAS CITY MISSOURI	25	2	30	12	9	1.98
ST LOUIS MISSOURI	18	26	264	132		
MARLTON NEW JERSEY	15	2	97	42		
CAMDEN NEW JERSEY	16	64	248	134		
GLASSBORO NEW JERSEY	19	11	73	43		
NEWARK NEW JERSEY	24	25	410	178	135	2.17
BUFFALO NEW YORK	19	5	63	25		
NEW YORK CITY NEW YORK	22	114	720	346	297	1.78
CINCINNATI OHIO	19	15	141	44		
CLEVELAND OHIO	26	5	276	78	56	2.46
DAYTON OHIO	23	3	139	49	35	2.51
YOUNGSTOWN OHIO	25	11	204	66	52	2.06
OKLAHOMA CITY OKLAHOMA	16	2	19	10		
PORTLAND OREGON	22	2	96	22	15	2.66
PITTSBURGH PENNSYLVANIA	26	29	211	93	83	1.69
WARMINSTER PENNSYLVANIA	19	2	85	33		
WEST CHESTER PENNSYLVANIA	18	2	54	19		
BAYAMON PUERTO RICO	21	2	28	8	6	2.00
GUAYANILLA PUERTO RICO	23	1	13	4	3	1.84
PROVIDENCE RHODE ISLAND	22	4	415	125	56	4.48
CHATTANOOGA TENNESSEE	24	1	99	34	18	3.03
NASHVILLE TENNESSEE	26	3	111	29	17	2.78
EL PASO TEXAS	18	2	254	63		
SALT LAKE CITY UTAH	22	3	144	20	11	2.58
SEATTLE WASHINGTON	22	3	122	35	25	2.39
CHARLESTON WEST VIRGINIA	21	4	174	29	20	2.26
MILWAUKEE WISCONSIN	26	5	97	28	22	2.08

Table 87. SULFATION RATE (mg SO_3/100cm^2-day)

Station	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ARIZONA TUCSON	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
COLORADO DENVER[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DELAWARE KENT CO[b]	[illegible]				[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIST OF COLUMBIA WASHINGTON[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IDAHO BOISE CITY	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ILLINOIS CHICAGO[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IOWA [illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
KENTUCKY ASHLAND	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
LOUISVILLE[a]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MINNESOTA ST PAUL	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MISSISSIPPI JACKSON	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MISSOURI ST LOUIS[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NEBRASKA OMAHA	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NEVADA LAS VEGAS	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHITE PINE CO[b]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
NEW HAMPSHIRE CONCORD	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NORTH CAROLINA CHARLOTTE	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OHIO CINCINNATI[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PENNSYLVANIA LANCASTER	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
PHILADELPHIA[a]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SOUTH CAROLINA COLUMBIA	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TENNESSEE MEMPHIS	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VERMONT BURLINGTON	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
VIRGINIA SHENANDOAH PK[b]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a] Camp site

[b] Nonurban

Table 88. SUSPENDED PARTICULATES, COLORADO STATE NETWORK

[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]	[illegible]										[illegible]	[illegible]	[illegible]	
				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
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Table [illegible]. BENZENE-SOLUBLE ORGANICS, COLORADO STATE NETWORK

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